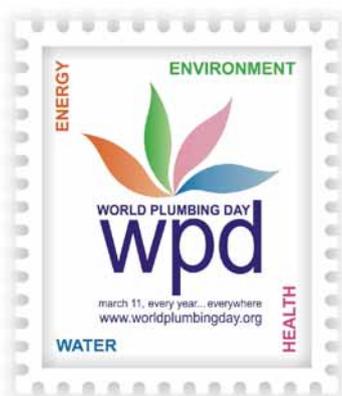


World Plumbing Day 2014

World Plumbing Council Chairman, Sudhakaran Nair, responds to the question: “Why do we need a World Plumbing Day”



The World Plumbing Council established World Plumbing Day in 2010, so March 11, 2014 was its fifth incarnation and the plumbing community across the globe played a fantastic part in its celebration. In this issue of REVIEW, we are looking at how some of our member organisations commemorated the day.

You can generate electricity, you cannot generate water. It's estimated that the total fresh water available in our globe is about 35 million cubic metres but it is generally accepted that less than 1% of this is good for human consumption. We as a global society keep contaminating whatever potable water resources we have: it is estimated that two billion tonnes of human waste are discharged into our water resources every

day across the world. Over 700,000 children die each year due to communicable diseases caused by contaminated water with over 194 million girls' school days lost because the schools they go to do not have basic sanitation and toilet facilities.

The purpose of World Plumbing Day is to reach out to mankind to say that the work of the plumber and plumbing industry is critically important in addressing these challenges, from the developed to the least developed countries of the world. The World Health Organization (WHO) has recognized that poor plumbing standards can be a cause for the spread of serious communicable diseases. In recognition of this, WHO, together with the World Plumbing Council published 'Health Aspects of Plumbing' during World water Day in 2006 in Beijing. This publication gives simple advice and information on how to get the fundamentals of plumbing safe and right.

The message of World Plumbing Day is “Plumbing - Vital to Global Health”. We as the plumbing community have a huge responsibility to fulfil in this scenario. Let's start by educating our children on conservation of water, safe sanitation and hygiene. I encourage our members to adopt a school in their neighborhood and offer to carry out a water audit there - you may be surprised at what you will see.

Over the past 4 years the World Plumbing Council, as part of World Plumbing Day, has been encouraging primary schools across the world to conduct poster competitions. The results have been amazing and the awareness that is seen in children has been extremely encouraging. It is essential that we, the world Plumbing Council, and the industry we represent, continue to promote this awareness for the benefit of the healthy future of our world.

World Plumbing Day in India

The Indian Plumbing Association (IPA) through its many Chapters spread across India celebrated World Plumbing Day 2014 with great fanfare and gusto. The focus of this year's World Plumbing Day celebration was to spread awareness in the community at large on the importance of plumbing in everyday life and to drive home the fact that Every day is World Plumbing Day, and plumbing is vital to world health.

Numerous initiatives were undertaken and included technical seminars, poster competitions among school children, interaction with media, innovative health checkup plans for plumbers and water audits for educational institutions.

A series of seminars was conducted on a variety of topics relevant to plumbing. The sessions were dealt with by experts and ranged from presentation of technical papers to vibrant panel discussions. The noteworthy fact is that all the seminars attracted the attention and support of all industry bodies, government institutions, research organisations and technical educational institutions. This year, representatives of the Indian Institute of Architects, Realtors, Builders, Local Residents Associations, The Rotary, Local Water and Sewage authorities, Heads of technical institutions (and not just the plumbing fraternity of consultants, engineers, contractors and manufacturers) were all involved in various capacities in IPA's World Plumbing Day celebrations. The range of topics discussed were eclectic and included:



*WPC Chairman and President of the Indian Plumbing Association
Sudhakaran Nair*

- Net Zero Buildings
- The Blue Gold – Save Every Drop
- Powerless Sewage Treatment Technology
- Advancement in Plumbing Scenario in India
- Necessity of Water Audits
- Common Pitfalls In Plumbing Design & Execution
- Role of the Plumbing Fraternity In Providing Safe Sustainable Water and Sanitation for All

All the seminars were well attended and hugely appreciated for their technical content. The chapters were uniformly successful in driving home the message of World Plumbing Day.

Poster Competitions

Additionally at a number of places poster competitions were held for school children on the guidelines set out by World Plumbing Council. These competitions for hundreds of school children were in **Bangalore, Nashik and Jaipur**. In Jaipur the IPA Chapter did a magnificent job in promoting World Plumbing Day through their Poster Competition in seven different schools, selected on the basis of serving underprivileged children including:

- “Government School Seth Anandilal Poddar School for Deaf & Dumb”, JLN Road, Jaipur.
- Vimukti Girls School, Jaipur a school for underprivileged girls from the urban slums
- Government School for slum dwellers in Jawahar Nagar, Jaipur.

Another school in a village near Jaipur, was included as most of the children are from the plumbing community. Around 500 Students of different schools took part in the competition and some are shown in our photos, right.

Water Audit

IPA chapters in **Kerala** and **Nashik** conducted water audits in over 70 NGO's which included unaided schools, schools for the visually challenged, orphanages and government schools. Long term and short term plans were put in place for reducing leakage and refurbishing/upgrading facilities.

Health Checkup

IPA – **Nashik** chapter in association with Shree Rungnalya, Nashik conducted a free basic health check up on 5, 7 and 9 of March 2014 for plumbers. This was a hugely appreciated initiative and one worthy of emulation.

Display of Posters

IPA had designed special posters showing water saving tips. These were displayed at vantage points at construction sites, high visibility locations in cities, establishments selling plumbing products and housing societies.

WPC Chairman's Message

All chapters of IPA screened the World Plumbing Council Chairman's Message for World Plumbing Day. To exponentially increase the numbers viewing this, the link has been sent to all IPA members.

Car Stickers

Specially designed car stickers carrying the WPD logo and the new mnemonic were distributed extensively across India through IPA members.

In **Jaipur** the IPA Chapter held a Plumbers' Utsav with over 300 plumbing contractors and plumbers participated. Utsav is an ancient Indian term for festival. The Plumbers' Utsav is rapidly becoming a tradition for the IPA Jaipur Chapter to celebrate the WPD as a festival for plumbers. The IPA Chapter strongly believes that this is the day to honour plumbers giving them their due respect and recognition in society.

The “Plumbers' Utsav” at Mahesh Nagar, Jaipur Community centre with event partner Kitec Industries. It was largely an informal type of function and started with National Anthem, welcome address with Chapter chairman Mr. Surendra Mathur (IPA JC Chairman) and message of Mr. Sudhakaran Nair.



Mr Surendra Mathur gave a speech of welcome

There was considerable discussion to highlight the importance of professional plumbing practices, the role of plumbing consultants, role of plumbers, and training for working partners in the plumbing industry.

Mr. Harpreet from IPSC, addressed the audience about the need for structured training, methods and facilities available for formal training.

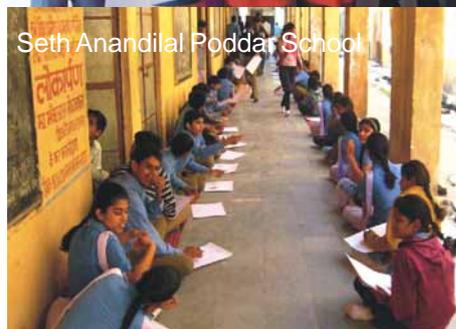
Guests were invited for a folk music presentation by folk artists, lunch and other activities.



Vimukti Girls school



Seth Anandilal Poddar School



World Plumbing Day International Poster Competition

This year the management of the World Plumbing Council International Poster Competition was ably carried out by WPC executive board Member Jim Kendzel, of the American Society Of Plumbing Engineers (ASPE).

There were 115 entries from the USA, Indonesia and Jamaica, which were initially reviewed and assessed by ASPE staff in Chicago who selected the top 20 entries for final judging. Some 30 representatives who served on the ASPE Board of Directors, the ASPE Affiliate Advisory Council and participants in a Green Plumbing Design Workshop carried this out, representing the following plumbing industry categories:

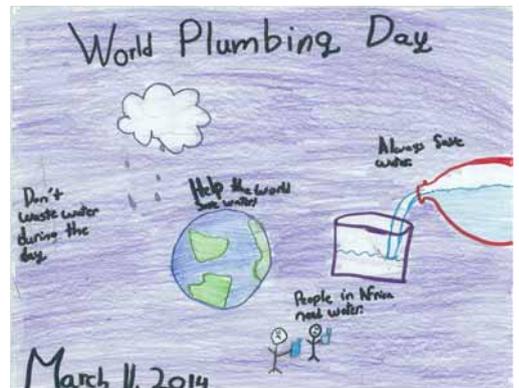
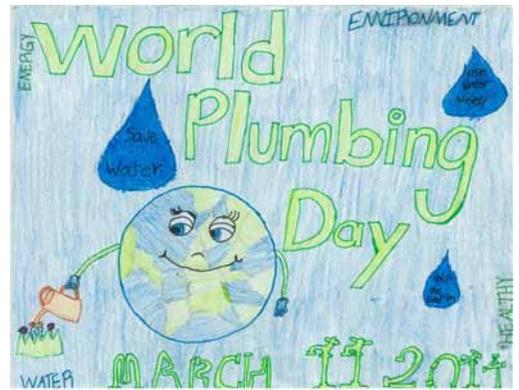
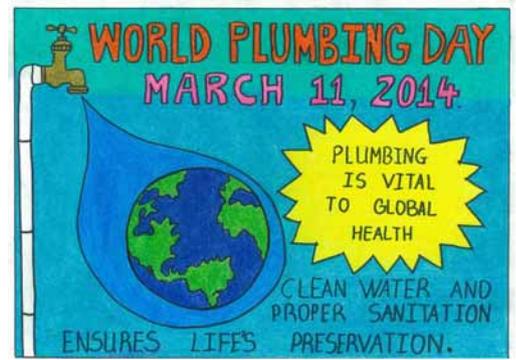
- Plumbing engineers
- Plumbing designers
- Plumbing Product Manufacturers
- Plumbing Product Distributors

The winners of the poster competition, from top right were:

- Breanna Maxwell- Corinaldi Avenue Primary School- Montego Bay, Jamaica;
- Isabella Santa Maria – Floyd M Stork School, Alta Loma, California;
- Mia Sanchez- Mariposa Elementary, Ontario, California.

Congratulation to all participants and those who were recognized by the judges. Mention must also be made of Corinaldi Avenue Primary School, as this is the second year the winning poster has come from their school.

In addition, 9 posters were received from the Indian Plumbing Skills Council (IPSC), which were created by children with hearing disabilities from the Government Secondary School for Deaf, Kalkaji, New Delhi. Unfortunately, the children did not meet the age/grade requirements of the WPC contest, however to reward their efforts a winner was selected from the 9 posters. The winning entry was by Master Sonu Sharma, congratulations to him on an excellent effort and depiction of "Water is Life".



World Plumbing Day across the world

a selection of celebrations of World Plumbing Day

Australia

Australian plumbing industry organizations across the country well and truly supported World Plumbing Day with plumbing skill competitions, trade expos, career days, BBQs and golf days.



In Melbourne, Victoria, Australia World Plumbing Day celebrations were led by the Minister for Higher Education and Skills, Peter Hall, at the Plumbing Industry Climate Action Centre (PICAC). The Centre hosted a series of events to mark World Plumbing Day which included:

A Plumbing Industry Luncheon with over 270 Industry Stakeholders present with guest speakers focusing on 'Emerging health risks effecting the plumbing industry.' In speaking on this important day Minister Peter Hall said, "I am pleased to be able to play a role in supporting the plumbing industry through increased government subsidies for training people in this vital trade. Well trained plumbers are as important today as they ever have been and are in the front line in the fight against disease and ensuring the healthy standard of living we enjoy."

Other speakers included Peter Tighe, Chief Executive Officer of the Asbestos Safety and Eradication Agency who launched *Asbestos: The Silent Killer* DVD starring Australian Football League legend, and plumber Kevin Sheedy. Of particular interest was the launch of the joint initiative of the World Plumbing Council and the WorldSkills Foundation, the Water Challenge Initiative announced by Grant Stewart WorldSkills Project Manager, to be held in association with Singapore International Water Week in June 2014. (see separate story this issue)

A dynamic skills competition involving 13 leading apprentices from across Victoria displayed their skills and knowledge of plumbing, mechanical services and fire protection in the competition and demonstration of their competence as part of the WPD celebrations. The finalists of the competition will be eligible for selection to represent PICAC and Australia at the *United Association International Apprentice Skills Contest* in Ann Arbor, Michigan, USA later in the year. The World Plumbing Council congratulates *Swinburne University's* Nathan Frauenfelder and *Fire Industry Training's* Brent Eacott who won their sections of the competition.

A Plumbing Careers Expo was also held as part of the PICAC activities, where 70 high school students who are considering a future in the plumbing industry took the opportunity to meet with representatives from Registered Training Organizations, TAFE Institutes, group training schemes, employers and others involved in vocational education and training.



The Hon. Peter Hall MLC, Minister for Higher Education and Skills addressing 300 industry stakeholders at PICAC

The Plumbing Careers Expo was held simultaneously with a Plumbing Trades Expo with leading Victorian and Australian plumbing industry organizations participating. Such organizations including, Incolink, IAPMO, Reece, Standards Australia and Energy Safe Victoria, with each organisation setting up informative displays of industry innovation, cutting edge products and sustainable plumbing solutions for the information of all those in attendance.



Plumbing Apprentice Skills Competition Winner, Nathan Frauenfelder working on his project

In Perth the community was urged to hug a plumber to say thanks to Western Australia's hardworking 'sanitation guardians' Murray Thomas CEO of the Master Plumbers & Gasfitters Association said, "here in Western Australia we turn on the tap or flush the toilet without thinking about it, but without good plumbing and sanitation we would be at the mercy of water related diseases such as cholera, arsenicosis, bilharzia and typhoid"

He went on to say, "Go on, don't be shy! Let your plumber know you recognize the vital role they play in the health and safety of your community. Hug a plumber in real life to say thanks."

The hug a plumber campaign really took off in the Perth media with, the West Australian Newspapers Inside Cover devoting a whole page to World Plumbing Day around the world saying "It's a profession that dates back to the ancient civilizations of Greece, Rome and Persia and was integral in establishing the conditions necessary for modern cities to exist. Make no mistake, there would be no London, New York or Paris if it wasn't for plumbers."



Murray Thomas getting a "plumbers hug" at 96FM radio

Inside Cover went onto feature Australian Rules Football player, Former Fremantle Docker and St Kilda star Brett Peake who embarked on a career as a plumber before becoming a professional footy player and returned to his trade on retirement. Peake now plays an important role for the MPGA as its plumbing field officer, mentoring apprentices. "It's not just finding them an apprenticeship, sending them on their way and hoping they finish it," Peake said. It wasn't hard to find volunteers to hug this plumber.

10 community newspapers featured the World Plumbing Day 'hug a plumber' campaign with both radio and TV media picking up on the theme.

On World Plumbing Day the Master Plumbers Association in **Sydney, NSW** held a major event including a BBQ lunch, skills competitions, displays and demonstrations at the Master Plumbers College of Excellence, Auburn, Sydney. A key part of the event was the awarding of prizes to the winners of the 'World Plumbing Day – Pursuit of Excellence' competition. Apprentices in 1st year fabricated metal projects and other apprentices built a copper and mixed materials piping model. Apprentices from the plumbing industry and M P A Training had their projects judged on the morning of the event and prizes were presented at the BBQ lunch.

The special guest speaker at the event was Sergeant Josh McLaren - Supervisor from the Engineers Support Regiment of the Royal Australian Army who spoke on the role of the army engineers in establishing the plumbing and services infrastructure as first responders in disasters and emergencies. Many plumbers learnt their trade in the military, including the Association's current President, Ashley Lowther who did his plumbing training in the Royal Australian Army.

In Brisbane, Queensland World Plumbing Day was celebrated with a breakfast BBQ followed by a World Plumbing Day golf competition.

The Master Plumbers' Association of Queensland (MPAQ) in conjunction with BUSSQ, Reece Plumbing and the Queensland Plumbers' Union celebrated World Plumbing Day 2014 at Reece's Enoggera store with a breakfast BBQ.

Some 60 plumbers attended for a great breakfast including muffins, croissants, fruit and of course, sausage sizzle. All in attendance were excited to celebrate one of the most important days in the MPAQ calendar. The breakfast crowd were entertained by local Rugby League star and Apprentice Plumber Ben Hannant who came along to challenge State Government Minister for Housing and Public Works and retired NRL Referee Hon. Tim Mander to a “Footy through the Throne” competition with Ben easily walking away as the victor.

Guests then heard from MPAQ Executive Director Penny Cornah and Queensland Plumbers’ Union State Secretary Brad O’Carroll about the challenges that the industry is currently facing in Queensland.

World Plumbing Day was then celebrated with a golf game at Victoria Park Golf Club, Brisbane. The day had a total of 104 players, with 26 teams for a game of four-ball Ambrose over 18 holes. There were 11 sponsors on the day including two drinks sponsors and a food sponsor who cooked up steak burgers and sausages for the players.

Everyone was excited to celebrate World Plumbing Day and have the opportunity to come together and be recognised for the vital role their plumbing work plays in the community in the provision of and access to potable water and effective sanitation.



National Rugby League Star and apprentice plumber, Ben Hannant and the Hon. Tim Mander, Queensland Minister for Housing And Public Works

Canada

This year CIPH and MCA Canada encouraged their local members to visit grade schools to promote the importance of water and World Plumbing Day to school children, with a range of other key activities and promotions.



A major feature of World Plumbing Day was the announcement of the winners of the Canadian Institute of Plumbing & Heating’s Water Wise School Competition. With the need to use and conserve water wisely more important than ever, the Canadian Institute of Plumbing & Heating (CIPH) challenged college and university students with an exciting, real-world competition to develop an action plan to decrease their school’s water footprint. Seven teams of students from five colleges and universities participated in CIPH’s first Case Study Competition.

They were:

- Carleton University, Ottawa, Ontario - 2 teams
- Conestoga College, Kitchener, Ontario - 1 team
- Holland College, Charlottetown, PEI - 1 team
- Mount Royal University, Calgary, Alberta - 2 teams
- University of Ottawa, Ottawa, Ontario - 1 team.

First place was awarded to environmental engineering students team from Conestoga College. Their submission focused on reducing annual water consumption at their Doon Campus. It stood out through their focus on technical considerations, social impact, and cost recovery. View their YouTube presentation at:

http://www.youtube.com/embed/KNm_WDnIxp0?rel=0

Second place went to the team from the University of Ottawa consisting of Civil Engineering students. The judges were impressed by the teams’ proposal, which was the most technologically aggressive in addressing the realistic application of greywater reuse concepts for one of the university’s sports complexes. View their YouTube presentation at:

http://www.youtube.com/embed/1_8AqFwQXvc

Across Canada the Mayors of the following Canadian Cities proclaimed March 11, 2014 as World Plumbing day in their cities:

- Newfoundland** - Conception Bay South; Mount Pearl, St. John’s;
- Ontario** - Ajax, Barrie, Brampton, Markham, Newmarket, North Bay, Peterborough, Timmins, Toronto, Welland;
- Saskatchewan** – Estevan, North Battleford, Prince Albert, Regina, Saskatoon, Yorkton;
- Alberta** - Calgary, Cold Lake, Edmonton, Fort Saskatchewan, Medicine Hat.

-  CIPH British Columbia members held an elementary school poster competition. The Region also created a poster for members to distribute to industry members.
-  CIPH Newfoundland members invited municipalities to issue proclamations; gave presentations at elementary schools; sponsored plumber appreciation days and started the “wave” for World Plumbing Day on March 11th.
-  CIPH Atlantic members invited cities and towns to issue proclamations.



The winning team from Conestoga College: Environmental Engineering students (left to right) Dan Marshall, Andrew Joseph, Kristina Taylor, Zeshan Anjum, Numair Khan Uppal and Santina Alagia



World Plumbing Day poster created by CIPH British Columbia Region

- ICPC Quebec members, with CMMTQ, sponsored a competition of Training Centres and Colleges to encourage them to organize World Plumbing Day events.
- CIPH Ontario members received proclamations from several cities and several Board members added World Plumbing Day to their website
- CIPH Manitoba requested proclamations from several cities
- CIPH Saskatchewan received proclamations from six cities
- CIPH Calgary received a proclamation from Calgary
- CIPH Edmonton requested proclamations from eleven cities and towns in the Region

Fiji

There was much media coverage in Fiji, with the local newspaper's leading headline - "Fiji joins Celebration of World Plumbing Day". The article, arranged by Luke Dioli, President of the Institute of Plumbing, Fiji was well received.



In the article plumbers were reminded of their duty to ensure they provided safe drinking water and sanitation across the globe. Mr. Dioli said, "The safety and abundance of drinking water is, of course, a concern for most people all over the world, but what is not emphasized is the work the plumbing industry contributes every day to alleviate these concerns."

World Plumbing Chairman Sudhakaran Nair was also quoted – "We (plumbers) need to utilize the occasion of World Plumbing Day to reaffirm our commitment to our stated goal, let us work together and make this world a safer and cleaner place."

Indonesia

On World Plumbing Day in Jakarta, Indonesia IAPMO sponsored an outreach program in association with the Indonesian Government's Badan Standardisasi Nasional (BSN) to create awareness for the citizens of Indonesia on the importance of plumbing standardization to improve sanitation and access to fresh water within Indonesia. An industry and media event to bring awareness about World Plumbing Day was also part of the day's activities. More than 150 people attended, and it was well covered by Indonesian television and other media. Industry professionals and representatives from various Indonesian ministries also participated with the focus being on Water for Indonesia now; World Plumbing Day; Indonesia sanitation requirements now and 10 years into the future, plus the value of an Indonesian National Standard (SNI) for plumbing systems.



In the lead up to World Plumbing Day, on March 10, IAPMO hosted an educational presentation for more than 80 children at Yayasan Rahmatan Lil-Amin Jakarta Timur, an orphanage in Jakarta, to teach them about how proper plumbing ensures people have access to clean and safe water and sanitation. The children were taught about the importance of water and how more than 1 billion people around the world do not have access to fresh drinking water, 2.6 billion do not have proper toilets, and how dirty water causes more than 3 million deaths each year among young children. The children also participated in a World Plumbing Day poster competition and were very responsive to this opportunity. The children surprised the visitors by writing and performing a song about how important it is not to waste water:

WATER

When I'm thirsty
I look for you
When I take a bath
Also need you
Watering plants
I look for you
Washing clothes
For sure need you
Chorus:
Clean water
I really need you
Body becomes healthy
My face is bright and cheerful
Clean environment
Mind becomes clear
Growing enthusiasm for learning
Until I reach achievement
Hey You ..
Wherever whenever
Wherever you are .. need it
Everything in the world .. need it
Shower the whole world ..
Water water water



left to right: Nyoman Supriyatna (BSN), Umi Fadilla (IAPMO Jakarta), Erniningsih Haryadi, (BSN), Kukuh S. Achmad (BSN), Ken Wijaya (IAPMO), Shirley Dewi (IAPMO), Megan Lehtonen (IAPMO), Russ Chaney (IAPMO), Bambang Prasetyo (BSN), Jan Burhanudin (Guest Speaker – KLIND), David Gossack (US Embassy Jakarta), Margaret Shu-Teasdale (US Embassy Jakarta), M. Kosasih (KLIND), Jack Matatula (IAPMO Jakarta)



A photo taken at the orphanage. US Embassy Deputy Chief of Mission, Jakarta, Kristen Bauer is in the blue dress

Nigeria

The Institute of Plumbing Nigeria in conjunction with Nigerian Television Authority showcased to the national Nigerian audience the importance of plumbing on World Plumbing Day March 11th 2014.



Spokespersons Taiwo Charles Ogunkuade and Chris Aziegbe addressed the key issues of World Plumbing Day. They highlighted the important role plumbing plays in the health, safety and sustainability of their community, particular with respect to access to scarce fresh water and adequate sanitation.

Philippines

A major industry forum and technical day to recognize and celebrate World Plumbing Day was held in the Philippines at the Hotel Crowne Plaza, Manila hosted by Atlanta Industries, a leading Piping company of the Philippines & Lubrizol Advanced Materials India,. More than 190 plumbing industry representatives attended the event from the Board of Master Plumbers, the Philippine Society of Sanitary Engineers and the Bureau of Fire Protection of Philippines.



Mr. Manish Jain from Lubrizol an a National Executive member of the Indian Plumbing Association gave a technical presentation on FlowGuard CPVC Hot & Cold Water Plumbing systems and BlazeMaster CPVC Fire sprinkler systems. Following which he played the Video of a special World Plumbing Day message given by Mr Sudhakaran Nair, Chairman – World Plumbing Council, which was well appreciated by all present.



Manish Jain – Lubrizol & NEC Member IPA addressing the audience



Atlanta Industries & Lubrizol team members at the World Plumbing Day Forum in Manila

Mr. Virgilio Simbulan – Former President of the Professional Regulation Commission (PRC) and a consulting Engineer delivered the key note address highlighting the need for saving water. He also shared the vision of Mr. Sudakaran Nair WPC Chairman as shown in the video presentation.

Mr. Nelson Se, Chairman, Technical Committee, Bureau of Fire Protection of Philippines also joined the celebrations and shared his views on the importance of plumbing for a better society.

During the forum, Mr. Jain distributed to those in attendance, on behalf of the World Plumbing Council and Chairman Nair, copies of the Environmental Aspects of Plumbing along with copies of Health Aspects of Plumbing.

The celebrations concluded with cocktails followed by dinner, with all guests being appreciative of the support of Atlanta Industries & Lubrizol Advanced Materials India for an excellent World Plumbing Day.

Solomon Islands

Department of Plumbing and Allied Trade at the Institute of Technology, Solomon Island University celebrated World Plumbing Day led by Arnold Iru recipient of 2004 World Plumbing Council Education & Training Scholarship who spent time with the Master Plumbers Association of New South Wales, Australia as part of his scholarship program.



Arnold sought the support of WPC and its members to supply A3 size posters, banners, CDs and free T-shirts to wear when the next World Plumbing Day is celebrated. He wants the small Department of Plumbing and Allied Trades at the Institute of Technology, Solomon Islands University to help mark World Plumbing Day on March 11th 2015.

South Africa



Rieger Park pupils proudly showing their mugs

In South Africa on World Plumbing Day, 3000 children were taught about using water wisely. The programme was an extremely busy one with the following schools being visited: Klopper Park Primary, Reiger Park Primary and then to Inxiweni Primary and Isizba Primary. At each school, Mr Thabo Masike from Water Affairs spoke on the Department's War on Leaks programme, encouraging children to identify and report leaks. The children were talked to about using water wisely, for example with mugs for drinking, cleaning teeth, etc. with each child being presented with a 250ml mug sponsored by DPI Plastics. Issues of hygiene and sanitation were also addressed.



Starting off at Reiger Park Primary School, *Plumbing Africa*, Dutton Plastics Engineering and the Department of Water Affairs, all armed with the colourful plastic cups kindly sponsored by DPI Plastics, made an impression on young minds. Rory Macnamara, publisher at Interact Media Defined (publishers of *Plumbing Africa*,) and Thabo Masike, deputy director: Water Usage and Efficiency at the Department of Water Affairs (DWA), spoke to the children about the importance of using water wisely. Dutton Plastics Engineering brought staff to teach the maintenance staff at all four schools how to repair cistern components such as washers and flush mechanisms.



Thabo Masike, Deputy Director, Water Usage and Efficiency, Dept of Water Affairs speaking to the school children at Reiger Park Primary

The teams then moved on to the schools in Tembisa (Inxiweni Primary School and Isizba Primary School), and due to exams at the school, visited Klopper Park Primary School on 14 March.



A school maintenance team receiving instruction on repairing and maintaining cisterns to avoid water loss

The talks tied in with the fundamental purpose of World Plumbing Day, a day dedicated to educating people about the work the plumbing industry does every day to conserve the world's increasingly overstretched fresh water resource, to provide effective sanitation and to promote energy efficiency with the increased use of renewable energy sources.

Long entrenched habits of misuse of our clean and inexpensive water supply have threatened its sustainability and the plumbing industry recognises the leadership role it must play in changing those habits for the betterment of mankind.

World Plumbing Day was a resounding success for *Plumbing Africa* as all parties played their part to take water education to four primary schools on

the East Rand of Johannesburg. All these schools were non-fee paying schools and a presentation mug, with which to drink water, was a huge success amongst these poor children and families.

Sweden

VVS Foretagen enjoyed media coverage in Sweden, strongly promoting the value of plumbing and World Plumbing Day. It recognised that many people are affected by the lack of availability of clean drinking water and basic sanitation, 36 percent of the world's population lives without access to sanitation, making this an incredibly important issue.



"The plumbing and HVAC industry has a profound effect on human longevity and quality of the life we live. It is not always something that we see in Sweden, but we know we have increased costs for lack of maintenance of our municipal water pipes. We are seeing more often infection outbreaks due to our water not having sufficiently high quality which requires constant investment in our plant for us to get the security that we often take for granted" said Mats Bjors, CEO, VVS Foretagen who went on to say, "People should be able to feel safe when they pour a glass of water for their children and they should be able to manage their health without having to think about the risk of infectious diseases. Plumbing and the HVAC industry may not have always been seen to get the focus on what the work we perform daily means for humans and our community, that is why we now celebrate World Plumbing Day worldwide".

United Kingdom

"Happy World Plumbing Day"- Lord Mayor of the City of London

The Right Honourable the Lord Mayor of the City of London, Alderman Fiona Woolf CBE started her address to the Worshipful Company of Plumbers' Annual Banquet on 11 March 2014 with the greeting "Happy World Plumbing Day".



The Worshipful Company of Plumbers traces its origins to 1365 and its Annual Banquet in London's Mansion House, is one the highlights of the Company's year. The Company promotes excellence in plumbing, supports the City of London and also has a charity which supports industry training and city causes. The Mansion House is the official residence of the City's Lord Mayor and this year's Banquet was all the more special as Lord Mayor Fiona Woolf is a member of the Court of Assistants of the Plumbers' Company so she was effectively welcoming the 320 Liverymen and guests to her home.

World Plumbing Day was also promoted on the night by Master of the Company, Nick Gale, who attended the World Plumbing Conference in New Delhi in November 2013. Attendees at the Banquet included Past Chairmen of WPC Geoffrey Marsh and Robert Burgon, Past WPC Secretary Andy Watts and current EB member Kevin Wellman.

Principal Speaker at the Banquet was Dr Andrew Bailey, Deputy Governor of the Bank of England (which is situated directly opposite Mansion House). He gave an entertaining account of the way in which the Bank operates and reminisced about his days playing cricket at school with Master Nick Gale.

Past Chairman goes back to primary school

Robert Burgon, Chairman of WPC 2008-2011, went back to his primary school a couple of weeks before World Plumbing Day to talk to three classes about the importance of water, health and plumbing. This was a return visit as Robert has been invited to give the WPC primary school presentation at Law Primary School, in North Berwick, Scotland (where his wife, Sheila, teaches) on several previous occasions. The talks always seem to spark the imagination and attention of the 8 and 9 year old pupils.

Robert commented: "It is enormously satisfying to be able to speak to young people about the important role played by today's plumbing industry. Many of the children have a good understanding about where water comes from and what we need it for. They are less aware of the problems faced in developing countries through the lack of good plumbing facilities and the health issues and deaths which occur there. I hope that these visits will help a generation of future adults to take their plumbing more seriously than is perhaps the case in many developed countries today.

"One of the lighter moments of the WPC schools presentation is to ask the children who the most famous plumber in the world. The answer is "Super Mario", a character in electronic games known to many children across the world. Sometimes, a really smart child gets the correct answer straight away. On other occasions, the children struggle and I have to give them clues. This year, in two separate classes, children named two different people. When I asked them who these people were, in one case, the child said "My Dad" and in the other it was an uncle who had been mentioned. It was difficult not to burst into laughter but on reflection these were fantastic answers and I hope that many other children of plumbers throughout the world think as highly of their plumbing relatives as these children did."

Scottish Parliament proposes third World Plumbing day motion

For the third time since the first World Plumbing Day in 2010, a motion has been proposed in the Scottish Parliament recognising World Plumbing Day and the important role played by the plumbing industry. This year, the motion was proposed by Nigel Don, MSP who has worked with WPC member SNIPEF in a number of initiatives. The motion reads:

That the Parliament welcomes the recognition of World Plumbing Day on 11 March 2014; notes that this annual event was first initiated by the World Plumbing Council, serving as a day to recognise the important role that plumbing plays in the health and safety of modern society; considers that, in a time in which being able to supply safe drinking water is a concern for people across the world, the plumbing industry serves a crucial role in alleviating this concern and keeping the people of Scotland and the rest of the world safer and healthier than they would be without the industry's services; applauds the Scottish and Northern Ireland Plumbing Employers' Federation for its promotion of the message of World Plumbing Day through various activities and presentations throughout primary schools in order to further the understanding of links between water, plumbing and public health; recognises the societal benefits that the plumbing industry continues to provide for Scotland and the world as a whole, and accordingly acknowledges this day of commemoration."

CIPHE addresses challenges of scalding and legionella as a World Plumbing Day Activity.

Kevin Wellman, CEO of the Chartered Institute of Plumbing and Heating Engineering (CIPHE) commented, "Although we traditionally think of water borne diseases, such as cholera hitting third world countries and disaster struck areas, it should be noted that plumbers in the UK are also in the forefront of public health, protecting the public from potentially life threatening issues such as scalding and Legionnaires' disease."

In the UK, the importance of plumbing can sometimes be underrated, despite there still being issues with plumbing systems that can have a devastating effect on people's lives. Scalding is one of them.

Scalding can result in long-term disability and disfigurement, and severe cases can result in death. Apart from many years of surgery and hospital treatment, patients also endure a lifetime of scarring, prolonged psychological trauma and social alienation. Scalds can also have long-term repercussions for families and are very costly for the health service. In the run-up to World Plumbing Day, a number of organisations raised awareness about the issue.

Kevin Wellman, in addition to being chief executive officer of the Chartered Institute of Plumbing and Heating Engineering (CIPHE), is also a member of the executive board of the World Plumbing Council said, "Fatalities and injuries from scalding can be prevented with certain types of plumbing devices, and awareness." He added: "Stored hot water needs to reach a relatively high temperature to kill off Legionella (60 degrees C), but according to HSE Document L8, at the point of delivery it should be 50 degrees C. It's worth noting that even this temperature can cause a partial thickness burn in about 90 seconds.

"These factors need to be taken into consideration by designers and installers of hot water systems to be used by vulnerable people such as children and the elderly. As water must be stored hot enough to eliminate Legionella, yet be cool enough to prevent scalding, point of use thermostatic mixing valves are one solution to the problem."



Lord Mayor of London, Alderman Fiona Woolf (centre), Master of the Worshipful Company of Plumbers, Nick Gale and other top table guests at the Banquet held on World Plumbing Day

United States of America



World Plumbing Day, March 11, every year, everywhere, gained recognition in both chambers of the U.S. Congress. The U.S. Senate, for a fourth consecutive year, passed a bipartisan resolution formally designating March 11 as World Plumbing Day, and U.S. Rep. Gloria Negrete McLeod, a Democrat representing California's 35th District, spoke on the floor of the U.S. House of Representatives about the importance of plumbing, highlighting IAPMO's contributions to the industry and people worldwide.

Rep. Negrete McLeod, who serves as co-chair of the bipartisan Congressional Water Caucus, urged her fellow representatives to keep improving water infrastructure through sound legislation to guarantee every citizen access to clean water. She said, "On this World Plumbing Day, I recognize how quality, efficient plumbing systems, and those highly trained professionals who work in the industry, save our country money and precious resources while enhancing our quality of living, thereby keeping people safe and healthy each and every day."

Also in the Capitol, the United States Senate passed Senate Resolution 390 in recognition of World Plumbing Day. Introduced by Sen. Jeff Merkley (Oregon) with bipartisan support, S.RES.390 highlights the role plumbing plays in safeguarding public health in the United States and worldwide, addresses the lack of safe drinking water and sanitation across the globe, praises trained plumbing professionals for maintaining, repairing and rebuilding the aging water infrastructure of the United States, and recognizes the World Plumbing Council for founding and IAPMO for supporting World Plumbing Day.

"In the United States, it's often easy to forget how lucky we are to have access to clean, running water," Merkley said, "but the fact is nearly every aspect of our day-to-day lives would be much harder without this vital public resource, and without the skilled workers who make sure it safely gets to our homes and businesses. I'm proud to honor the hardworking men and women of the plumbing industry and the essential contributions they make to our country."

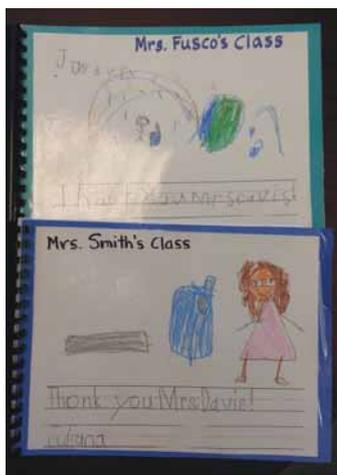
To view a video of Rep. Negrete McLeod's address, visit:

<https://www.youtube.com/watch?v=fyGKdPYREA4&feature=youtu.be>

Senate Resolution 390 can be read in its entirety at: <http://thomas.loc.gov/cgi-bin/bdquery/z?d113:s.res.390>

In Brunswick, Ohio World Plumbing Day received a mention on the front cover of local magazine Brunswick Life. Richard Prospal, former WPC executive board member had an article published "Posters Tout World Plumbing Day" inviting all Brunswick children in grades one through five to participate in the World Plumbing Council's international poster competition to win money for the student and their school. A further article provided by Richard described "Plumbing's Important Role", reporting the WHO statistics on access to fresh water, impacts of poor or no sanitation and contrasted with those communities who took much of their easy access to fresh water and sanitation for granted. The article indicated that often little thought was given to the expertise provided by plumbers that ensures these systems (water & sanitation) work as intended, and equally few people appreciate the consequences of poor plumbing systems.

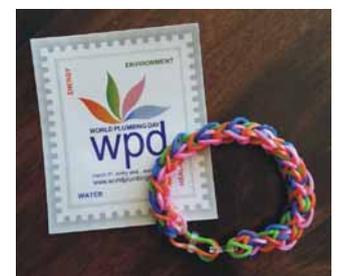
Across the USA, IAPMO encouraged its members to play a part in promoting and celebrating World Plumbing Day. The Las Vegas Chapter of IAPMO visited a local elementary school to share the WPC's presentation on the importance of plumbing. IAPMO staff also played a part in visiting 14 different classrooms at elementary schools surrounding the location of The IAPMO Group World Headquarters in Southern California. The winning essays from each of these schools have been sent to the international judging committee and, as of the writing of this article, teachers are keeping their fingers crossed that one of their students will be the lucky winner.



Samples of the thank you letters received by Gaby Davis from school children grateful to learn about the importance of plumbing

Gaby Davis, senior vice president of Global Operations for IAPMO is one of the speakers who visits local schools each year to promote World Plumbing Day. She stated, "The beauty of the message of World Plumbing Day is that young students are learning how important plumbing is, and that the plumbing profession plays a part in protecting our health and conserving water, our most precious resource. I'm lucky enough to have access to photos of some of the testing done in the IAPMO R&T Lab showing how plumbing products are tested. When students see this, they understand that plumbing is so much more than they originally thought. They learn that the plumbing industry includes inspectors, installers, people who design plumbing systems, and the testing of plumbing products."

This year, IAPMO also promoted World Plumbing Day by seeking photos or videos depicting the importance of plumbing. Posted at its YouTube channel is IAPMO's version of how "plumbing has you covered" featuring artist Jamie Janett Graden and model Hayley Colston, who also



The WPD bracelet is popular with children now, boys and girls alike. WPD colors are used to design bracelets as a prize to give away to the children when they respond correctly to the questions asked within the World Plumbing Day presentation

is an artist. After reviewing the artistic creations, a winner was due to be announced in the following month.



Pam Hartsell with her entry in the NASPE Derby on World Plumbing Day

Michigan, the ASPE-Eastern Michigan Chapter

In celebration of World Plumbing Day the EMC-ASPE hosted a NASPE racing event which is a timed race similar to a Pinewood Derby Race utilized in the Cub Scouting Program around the world. The NASPE Race was themed to celebrate World Plumbing Day. EMC-ASPE encouraged chapter members to design, build and race cars in celebration of World Plumbing Day. A raffle along with trophies, awards and prizes were also provided at the event. First, second and third places were awarded for:

- Fastest race time.
- Best representation for World Plumbing Day
- Best representation of a plumbing product.
- Best representation of a plumbing tool.
- Best green design

Given this event's success it has been decided that it will be an annual event of NASPE Racing on World Plumbing Day.

The participants who brought their cars, which were designed with a plumbing theme style, had them weighed and registered for the NASPE Racing Derby. President Hernandez opened the meeting at 6:00 PM after which the NASPE Derby took Place. Tom Zimmerman from the Burke Agency, was the first prize winner with prizes for second, Cindy Zatto and third to Pam Hartsell also being awarded.



Sabrina is showing the importance of hand-washing in her poster on World Plumbing Day



IAPMO staff children coloring WPD posters to be hung around IAPMO Group World Headquarters



World Plumbing Day Launch 'Water Innovation Challenge'

The World Plumbing Council and the WorldSkills Foundation chose World Plumbing Day 2014 – March 11, every year, everywhere – as an appropriate day to launch this exciting new Water Innovation Challenge event. The Plumbing Industry Climate Action Centre (PICAC) in Melbourne, Australia was chosen as the venue to complement their planned day of World Plumbing Day celebrations.

Against the backdrop of a plumbing skills competition, careers expo and trade expo, Grant Stewart, special project manager for the WorldSkills Foundation, responsible for the Water Innovation Challenge announced the Challenge would take place in association with Singapore International Water Week, on 3-5 June 2014, in the Central Amphitheatre at ITE College East (Institute of Technical Education), Singapore.

The WorldSkills Foundation and World Plumbing Council's Water Innovation Challenge, will bring together a group of international, multi-discipline teams of Plumbers and Engineers under the age of 26 to participate in a series of hands-on design challenges and practical tasks. During three days of intense competition, the teams will develop a series of real and innovative solutions for emerging water and sanitation problems in two developing countries: Nepal and Bangladesh.

Solutions created during the Water Innovation Challenge will go on to be implemented by the winning team in either of Nepal or Bangladesh 'Sanitation Studio' programmes, a partnership between Australian NGO Healthabitat and WorldSkills Foundation. Design toolkits created by these teams will also be



Following the launch Grant Stewart, Mark Callaghan, CEO, WorldSkills Australia met with RMIT Plumbing School representatives Sam LaRocca, Wayne Ellerton supported by Dr. Helen Smith, RMIT

made available for other NGOs or international development organizations for further use in their own plumbing and sanitation development works around the world. By taking part in this inaugural event, the teams will demonstrate that an idea combined with the necessary technical knowledge and hands-on ability can take a young Plumbing apprentice anywhere in the world, where their skills can really make a difference.

The United Nations declared 2005-2015 an International Decade for Action, in which a global "Water for Life" agenda focused on increased attention to water related issues. By including safe drinking water supply and sanitation in the Millennium Development Goals, the global community recognized their critical importance and the role they play in ensuring a healthy and sustainable future for all peoples of the world.

The Challenge will be further complemented by a showcase of new Virtual 3D Learning tools created as part of the WorldSkills Foundation-ITE Singapore Innovation Lab project: Virtual Reality training applications for Plumbing and Sanitation, designed for the use of over 500 students in the Higher *Nitec* Facilities Management courses across ITE.

The World Health Organization has declared Plumbers the most important front line health workers around the globe. Over time, the Water Innovation Challenge, planned to be held annually, will demonstrate the value of plumbing skills no matter what the environment.

National 'Get Girls Plumbing' campaign

 WaterSafe UK's research shows 24% of women weren't advised to take up a trade whilst at school, instead being encouraged into more stereotypical female roles such as administration or secretarial work

 38% of women in the UK would learn a trade, if they had their time over again

 Less than 1% of plumbers in the UK are women

 A third of women (31%) would prefer a female plumber to carry out work on their home

Against the backdrop of mounting gender inequality in the corporate world, the UK's Chartered Institute of Plumbing and Heating Engineering (CIPHE) has announced its full support of WaterSafe's newly-launched 'Get Girls Plumbing' campaign, designed to encourage more women to take up tools.

Kevin Wellman, Chief Executive Officer of the CIPHE, said "The results of the survey undertaken by WaterSafe, clearly show that girls need to be made aware of the full range of career options open to them, including trade apprenticeships.

"Career guidance at school is very important and advisors need to realise that we need a more balanced workforce. Girls should be given the same advice and opportunities as boys."

Find out more at www.watersafe.org.uk

Dates for Your Diary

World Plumbing Council General Meeting

Orchard Hotel, Singapore
May 31, 2014

Singapore International Water Week/Water Convention 2014

Singapore,
June 1 – 5, 2014

The Water Innovation Challenge

Central Amphitheatre, Institute of Technical Education, Singapore
June 3 – 5, 2014

ISH CHINA & CIHE 2014

New China International Exhibition Centre, Beijing, China
May 13 – 15, 2014

World Plumbing Council General Meeting

suissetec Training Centre, Lostorf, Zurich, Switzerland,
September 4, 2014

ISH Shanghai & CIHE 2014

Shanghai New International Expo Centre, China
September 3 – 5, 2014

2014 ASPE Convention and Expo

Chicago, Illinois, USA
September 20 – 24, 2014

CIPHEX WEST

Stampede par, Calgary, Alberta, Canada
November 5 -6, 2014

ISH 2015

Frankfurt am Main, Germany
March 10 – 15, 2015

World Plumbing Day, March 11 Every year, Everywhere

World Plumbing Council General Meeting

ISH 2015, Frankfurt am Main, Germany
March 14, 2015

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The World Plumbing Council aims to unite the world plumbing industry and promote the role of plumbing in improving public health and safeguarding the environment for the benefit of all

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