

SPLASH!

Commercial

In SPLASH! Commercial we focus on big and small commercial swimming pools including resort pools and spas, water parks, competition pools and municipal projects. We examine issues of importance to commercial pool builders, designers, management and staff, while taking a look at some of the latest aquatic happenings around the region and the world.

Image shows the entrance to the Lost World of Tambun water park in Ipoh, Malaysia. Many years ago this was a disused mine that was filled with water and enjoyed by the locals as a swimming spot. Since then, a popular water park and hot spring has been developed on the site. Photo by Jack Maher.



COMMERCIAL NEWS AND FEATURES

THORPE GETS TOURETSKI SYNDROME	66	JOHN WEST SELECTS AUBURN POOL	70
\$1.4 BILLION UP FOR GRABS IN REGIONAL FUNDING.....	66	MOREE REDEVELOPMENT GETS UNDERWAY	71
SWIMMING GETS A MILLION REASONS TO GO FOR GOLD	67	VIXEN FRONTS TRAINING COMPANY	71
AIS RETAINS OTC STATUS	67	PRIVATE POOL A FANTASY ESSENTIAL	72
SPLASH! LAUNCHES AQUATICS JOB BOARD	68	NETWORKING ANSWERS FILTRATION QUESTION ...	74
TENDERS OF THE MONTH	69	MIMICKING NATURE FOR CLEANER POOLS	76
DARLING DOWNS CHAMPION SCOOPS POOL	70	PEOPLE SKILLS IMPROVING AQUATIC MANAGEMENT	80

Thorpe gets Touretski syndrome

RUSSIAN TO TRAIN AUSSIE IN SWITZERLAND.

FIVE-TIME Olympic gold medalist Ian Thorpe has finalised his coaching set-up ahead of next year's London Olympic Games, linking up with former Australian Institute of Sport coach, Russian born Gennadi Touretski.

Thorpe, who has been mentored by Swimming Australia Head Coach Leigh Nugent since he began his return to swimming will now train under Touretski in Tenero, Switzerland for the majority of the year, as well as returning to Abu Dhabi and Australia for specific camps and blocks of training.

Tenero is less than 50km from the Australian Institute of Sport's European headquarters in Verase, Italy.

Both Thorpe and Tourestski are expected to return to Australia at times to continue preparations for the 2012 Australian Swimming Championships and Olympic Trials in March 2012, and possibly link up with other members of the Australian team as part of sprint and relay camps later this year.

Nugent says to be able to put an athlete of Thorpe's quality and skill into a program run by someone of Touretski's experience and innovation is a great result for all involved.

"From the outset we wanted Ian to work with the best, and we're pleased that he has been able to set up a situa-



tion where he can train under Gennadi as his full-time coach, and we are thankful to the Swiss Swimming Federation for their support," said Nugent.

"The added bonus for the Australian Swim Team is that we get to use the experience and skill of someone like Gennadi in our program, and that means getting him involved in future sprint and relay camps that we'll hold this year and next."

Discussions with Touretski commenced in December last year and both Nugent and Thorpe say they are thankful to the Swiss Swimming Federation.

For Thorpe, who has just completed an intensive block of training in Abu Dhabi under the guidance of Nugent and Swimming Australia Performance Scientist Bernard Savage, the chance to train with one of the best coaches in the world was too good to pass up.

"I'm looking forward to working with

Gennadi and have been hopeful for some time now that we would be able to get together," says Thorpe.

"I know when he worked with Alex Popov and then Michael Klim he was able to work closely with them to suit their individual needs and physiology, and he's also a real student of the sport. He is always thinking and is innovative with his training techniques looking for improvements.

"I know this means I'll be travelling a lot between Australia, Abu Dhabi and Switzerland but I believe that working with Gennadi is the best fit for me."

Touretski was based at the AIS for 10 years from 1992 where he coached world record holders and Olympians Popov and Klim as well as working with the likes of Matt Dunn and Petria Thomas.

Coaching swimmers to more than 40 world records throughout his career, the 61-year-old is currently the Head Coach at the National Training Centre in Switzerland and says he's looking forward to working with Thorpe.

"When I first heard about Ian returning to swimming I was pleased for him and I was also pleased for Australian swimming," says Touretski.

"We all know that he left the sport at a young age, and having seen him over the last couple of days I have no doubt that he still has plenty to offer the sport and plenty to achieve from a personal perspective."

\$1.4 billion up for grabs in regional funding

THE Minister for Regional Australia, Simon Crean, has announced details of a \$1.4 billion Regional Development Australia Fund (RDAF).

The fund is a national program to support Australia's regions and enhance the economic development and liveability of their communities. The program is administered by the Department of Regional Australia, Regional Development and Local Government.

It is designed to ensure that new investments are targeted to reflect the characteristics, and to address the opportunities and challenges, of Australia's diverse regions.

The program aims to support localism, and to leverage and better coordinate State, Commonwealth, Local Government and private (including not-for-profit) investments for the long term benefit of communities.

The RDAF will operate from 1 July 2011. The first round will look to contribute up to \$100 million of Commonwealth funding to approved projects. Applications will be received up to COB on Friday, May 13, 2011.

Proposals that are not ready or applications which cannot be completed by May 13, 2011 can be lodged in Round 2, which is expected to take place in late 2011.

Funding of between \$500,000 and \$25 million per project will be available.

Crean also announced that each of the 55 RDA committees would receive grants of \$25,000 to strengthen their capability to represent their local areas.

For more information go to www.regional.gov.au or go to the QuickLink tab at www.splashmagazine.com.au.

AIS retains OTC status

THE Australian Institute of Sport's status as an Olympic Training Centre has been renewed with the Australian Olympic Committee (AOC) and the Australian Sports Commission (ASC) finalising the agreement.

Minister for Sport Mark Arbib says the agreement demonstrates that the ASC and AOC share a common goal in supporting Australia's Olympic athletes.

"This agreement recognises the pivotal role the AIS plays, along with our state and territory institutes and academies, in providing our elite athletes with the best possible training and preparation for the Olympic stage."

AOC President John Coates praised the spirit of cooperation that underpins the new agreement. "With a renewed focus on high performance sport and a renewed cooperation between the AIS, ASC and AOC, we can now concentrate on turning our national sporting partnership into medals," he says.

Swimming gets a million reasons to go for gold

GREEN AND GOLD PROJECT ADDS EXTRA FUNDS FOR LONDON OLYMPICS.

SWIMMING will do the best out of the ten Olympic sports to share in \$2.5 million in targeted funding to boost medal prospects of success at the 2012 London Olympic Games.

Minister for Sport Mark Arbib announced the breakdown of the Government's Green and Gold Project funding, saying that the project's goal is to increase our chances of medals at the London 2012 Games and ensure Australian athletes remain the envy of the world.

"We are investing in the nation's top performers to turn potential fourth, fifth and sixth places into medals, and bronze and silver medals into gold."


Swimming is the largest beneficiary receiving an extra \$1 million for athlete and coaching support, along with cycling and rowing which will each receive an additional \$300,000 to boost preparations for their top athletes. Diving will receive \$100,000.

"This is targeted additional support for our top sports and athletes who have the highest potential to lead Australia's march to Olympic success," says Arbib. "Where we identify medal winning potential, we are going to back it with this extra support."

Australian Sports Commission (ASC) Chairman Warwick Smith said the Green and Gold Project had been made possible by identifying savings and reprioritising existing funding in the interests of achieving success.

"The Australian Sports Commission worked closely with the Australian Olympic Committee and leading Olympic sports, as well as the Australian Institute of Sport, in developing the Green and Gold Project and allocating extra funds to sport," he says.

Many of the sports receiving this timely boost will now engage with the AIS to ensure their athletes and coaches get the cutting edge support they need to ensure podium success in London.



Uses Fuzzy Logic Technology

Intelligent Dosing Systems

Water Chemistry at the touch of a button

Don't miss the first appearance in ASIA at
SPLASH ASIA
 Pool & Spa Trade Show

- UV WATER TREATMENT
- WATER HEATERS
- CONTROL PANELS

THERMALEC[®]
 POOL & SPA PRODUCTS

Telephone +44 (0) 1752 313343
 Fax +44 (0) 1752 313353 E-mail info@thermalec.co.uk
 Web www.thermalec.co.uk

SPLASH! launches aquatic industry job board

SPLASH! has teamed with Sportspeople to provide online readers an up-to-date job-finding facility for people in the aquatics industry, and those interested in getting a start in the industry.

The national service covers all types of jobs to do with public, community and commercial swimming pools. The types of jobs currently to be found include swim instructors of all levels (both permanent and casual), lifeguard compliance training managers, LTS supervisors, coaches of all levels, lifeguards of all levels, pool attendants, administrative and finance staff, and operations coordinators.

To access the job board, simply go to www.splashmagazine.com.au and click on the Jobs button on the blue band at the top of any page on SPLASH! website.

SPORTSPEOPLE
Bringing job seekers and employers together since 1988.

Services Jobs Learning Career Trade Forum Register Login Advertise with us

Looking for work?
Check out the Sportspeople Jobs Market!

Welcome to the SPLASH! Job Board

SPLASH! is the leading magazine for the Australian swimming pool and spa industry. SPLASH! is packed with independent, detailed editorial including the latest industry news, case studies and features on a broad range of issues relevant to the residential and commercial pool and spa market. SPLASH! was a finalist in the 2008 Bell Awards held by Publishers Australia.

With an audited circulation of 4,707 industry members, SPLASH! reaches all major professionals in the pool industry including pool builders, service technicians, retailers, contractors, designers, engineers, educators and local authorities, architects, specifiers, hotel managers, schools and universities, leisure centres, water parks, manufacturers, distributors, swim schools, hydrotherapy pools and all allied trades. SPLASH! also organises the only Environmental Pool and Spa Awards in the world, handed out every two years at the SPLASH! Trade Show on the Gold Coast.

SPLASH! and Sportspeople are working together to provide the swimming community with a comprehensive listing of positions available:

Position	Employer	Salary	Location	Closing Date
Swim School Coach	YMCA of Sydney	Not stated	Sydney NSW Australia	1 May 2011
Head Swimming Coach	Aquity Swimming Club	Dependent upon experience and qualifications	Brisbane QLD Australia	1 May 2011
Swim School Coordinator	Big Blue Swimming	Dependent upon experience and qualifications	Melbourne VIC Australia	15 Jun 2011
Head of Senior Coach	Marlin Swimming Club	Dependent upon experience and	Adelaide SA Australia	09 Apr 2011

**Double it.
Halve it.
And what
have you got?**

✓ **DOUBLE**
the time between backwashes.

✓ **HALF**
the time taken to backwash.

When you use Zelbrite Filter Media you will

SAVE WATER
and using less top up water you will

SAVE ON HEATING

BETTER FILTRATION

Zelbrite[®] Ultimate

SAVES CHEMICALS

savewater.com.au

Smart Approved WaterMark

Ph: (02) 4651 2377 Mobile: 0407 078 075

**DO YOUR CUSTOMERS
DESERVE THE BEST?**

If your customers want the ultimate in soft, sanitary and odour free water, offer them an Ozone Swim Filtration System. Our units combine the power of ozone with the benefits of salt water chlorination. Why should they settle for less?

ozone swim
Manufactured by Ozone1 Pty Ltd

WARRANTY 2 YEAR

- Noticeably softer water
- No more red eyes or dry, itchy skin
- Less back flushing
- Easy to install and maintain
- Prolongs equipment life
- Environmentally friendly

Ozone breaks down chloramines and kills all types of bacteria, fungi & viruses

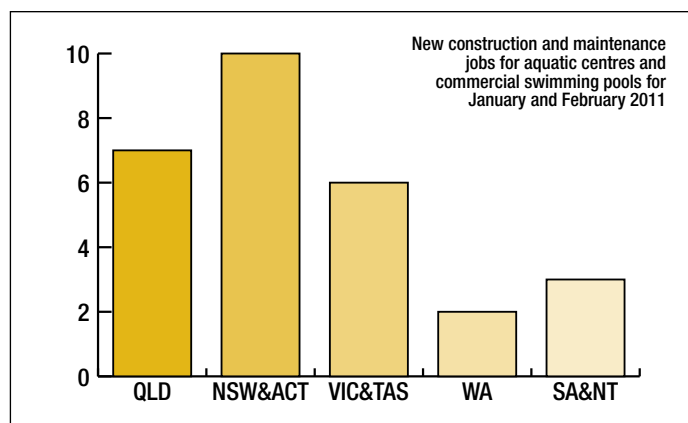
Ph: 1300 OZONE1 (1300 696 631) www.ozoneswim.com.au

Latest commercial tenders

CORDELL Information has released data showing new tenders for public swimming pools and aquatic centres for January and February, 2010.

The figures show both construction and maintenance jobs for aquatic centres and commercial swimming pools. Only new business opportunities have been included, not jobs that have been previously advertised.

The figures show tender numbers at 28 in total compared with 20 for the previous period. New South Wales (10) and Queensland (7) had the most tenders.



Tenders of the month

PROJECT: Stawell Leisure Complex Outdoor Swimming Pool Upgrade

CLOSING DATE: 20-Apr-2011, 2pm

TENDER TO: Northern Grampians Shire Council

CONTRACT: C14 2010/2011

Tenders are invited from Commercially Registered Practitioners for the Stawell Leisure Complex Outdoor Swimming Pool Upgrade. The tender consists of two sections, and contractors can tender for either one or both sections. The sections are the: design, supply and installation of a backwash system for the Outdoor Swimming Pool; and the removal, supply and installation of tiles for the Outdoor and Toddlers Pools. For a copy of the tender documents go to the www.ngshire.vic.gov.au or for further information contact Amanda Smith on (03) 5358 8700.

PROJECT: Henley Residence (Inground Swimming Pool)

CLOSING DATE: No closing date specified

TENDER TO: Nace Civil Engineering

Interested sub-contractors/ suppliers please contact: info@nace.com.au or Fax: 02 9607 1999.

For more information on Cordell Information's commercial tender reports, call 1800 674 120.

The best quality, highest performance heat pump water heater available today!

Why use a Performance Plus Heat Pump?

- A Performance Plus Heat Pump can produce over 5 times the energy used
- Compressor(s) have built in internal and external overload protection
- Lowest running costs in Australia and New Zealand
- Can operate in air temperatures from -10°C to 45°C
- Easy to operate electronic controller with digital display
- Titanium tube heat exchangers (for swimming pools)
- Electronic Reverse Cycle De-Ice control
- Built in refrigeration safety switches
- Water flow switch (for swimming pools)
- TX valve for efficient low ambient operation
- Epoxy coated corrosion resistant cooling coils
- Quiet running/Built in drain tray
- Ozone safe R410a Refrigerants



HOT WATER HEAT PUMPS LTD

ADVANCING WATER HEAT PUMP TECHNOLOGY & APPLICATION SINCE 1980

www.poolheating.co.nz

For Australian Enquiries:

Unit 5 / 12 Newspaper Place

Maroochydore 4558 AUSTRALIA

Ph (+617) 5443 7555 / Mob 0438 424 997 / 0412 365 765

www.heatpumpsystems.com.au

Darling Downs champion scoops pool

SHE MIGHT ONLY BE IN YEAR 10, BUT THIS GIRL LOOKS SET FOR QUITE A FUTURE.



Year 10 student, Kady Ibell with her swag of medals

DOWNLANDS Year 10 student, Kady Ibell, certainly seems to be someone to keep an eye on.

She recently competed in 15 events over the two days of the Darling Downs Regional Championships and won an amazing nine gold, two silver and two bronze medals in a range of disciplines. She got gold in 14 years 50m freestyle, 50m backstroke, 50m breaststroke, 50m butterfly, 100m freestyle, 100m backstroke, 100m breaststroke, 100m butterfly and the All Age 4x50m relay; silver in the open 200m individual medley and open 200m backstroke; and bronze in the open 200m breaststroke and open 800m freestyle.

She also placed third in the open 50m freestyle sprint final and fourth in the open 200m freestyle events; and set records in the 200m breaststroke and the 200m backstroke. She also smashed all the school records, many of which had not been broken for many years, winning the Owen Janetzki Trophy for outstanding swimmer in the process.

Her next step is the Queensland State Championships.

John West selects Auburn Pool

AUBURN swimming pool is getting a lot of exposure on the television at the moment, although most people won't recognise it.

The new John West Tuna ad, which has vision of a fisherman fighting off gulls and to get the best tuna, was shot partly at the western Sydney pool. The Grey Melbourne agency combined extant BBC footage with new vision shot at the pool to create the memorable ad.

But unlike the Drumstick ad that graced our screens for the past two summers, viewers are unlikely to realise where it was shot. The humorous synchronised Drumstick ad was shot at Broadmeadows pool in Melbourne, and had a distinctly 1960s flavour.



Reed Construction Data is now Cordell Information...

Cordell Information have been researching the swimming pool industry for over 40 years and we understand the difference that detailed information can make to your

Use our information to:

- Monitor where and when new swimming pools are being installed
- Target only those who need your products and services
- Track what your competitors are doing

Call 1800 80 60 60
to see how we can help grow your business!

www.cordell.com.au

Ask about our Historical Pool Data!

aquators
creative water play

SWIMPLEX AQUATICS Pty. Limited
ADN 92 513 843 499
Serving the Commercial Pool Industry
Ph: 1300 796 759 Fax: 1300 796 329
Office: 2/33 Lawson Crescent, Coffs Harbour NSW 2450

WATER TOYS

IAPA
International Association of Professional Aquatics

Website: www.swimplex.com.au | Email: sales@swimplex.com.au

Moree redevelopment gets underway

HOT ARTESIAN POOL EXPECTED TO BE COMPLETED BY AUSTRALIA DAY 2012.

MOREE Plains Shire reports that the Moree Hot Artesian Pool Complex redevelopment is going full steam ahead, with the old grandstand already demolished.

The removal of the grandstand marks the end of an era and the beginning of an exciting new stage in the history of the complex.

The council says that their priorities are in order: safety; on-time and on-budget completion of the project; and continued access to facilities. Every effort has been made to ensure that residents and guest will have access to at least part of the pool complex while the redevelopment is in progress.

The project is expected to be fully completed by Australia Day 2012, with other key dates being:

- Mid September 2011 – eight-lane FINA standard Olympic Pool with disabled access will be available for use.
- Long weekend in October – a small-scale opening celebration.
- Mid December 2011- Wellness Centre works completed. The spa pool will be available but treatments may not be available until after Christmas.
- Australia Day 2012 - Grand Opening Celebrations.

Heating with Confidence and Satisfaction

TETECO INVERTER DRIVE HEAT PUMPS

5 YEAR WARRANTY

As technology has improved over the years, the engineering of heat pumps has developed enormously and the new series of inverter drive heat pumps is no exception. What has not changed, though, is Toyesi's superior level of expertise in designing and manufacturing high quality products customised to suit your needs.

CUSTOM ENGINEERED EXCELLENCE

Toyési POOL HEATERS **Toyési**

02 9679 9400
AGENTS IN NSW, VIC & QLD.

Vixen fronts training company

AUSTRALIAN international and Melbourne Vixens star Bianca Chatfield has joined forces with registered training organisation Smart Connection Company to become an ambassador of its training division.

Smart Connection provides industry training to fitness, sports, recreation and leisure facilities as well as sports organisations. In her role as its ambassador, former school teacher Chatfield will represent Smart Connection at major industry events and endorse the importance of training to people working or wishing to enter the industry.

Smart Connection has recently launched a brand new calendar of training courses on its website, including, for the first time, two condensed five-week courses, aimed at people wanting to break into the fitness industry or upgrade their qualification as quickly as possible. It will also be running its first ever Diploma of Fitness course.



New photometer for poolside testing will save you time and money.

Using an electronic photometer is the best way to check pool chemistry. It eliminates the difficulty of trying to distinguish slight colour variations by eye, and takes the fuss out of poolside testing.

Some photometers, however, are slow, especially if they use tablet reagents, which take time to dissolve. Our new **ColorQ** photometer gets around this problem by using liquid reagents, which speed up testing time threefold.

What's more, we usually sell the **ColorQ** for less than the price of other photometers. We're able to do this because we invented a new optical system that does away with expensive filters without sacrificing accuracy.

The **ColorQ** is supplied in kits to suit different applications, and ranges in size from four to eleven tests.

For more information call (02) 9450-0466, or fax back the coupon below, and we'll give you 20% off the list price of the first **ColorQ** you buy.



LaMotte
Pool & Spa Water Analysis

Distributed by **Vendart Pty Ltd**
PO Box 451 | Pymble | NSW 2073
Phone (02) 9450-0466 | F (02) 9450-0755
E info@vendart.com.au
www.vendart.com.au

Name: _____
Company: _____
Ph: _____
Email: _____
VEN101/ColorQ

The pool – the first port of call on any holiday

No fantasy would be complete WITHOUT A PRIVATE POOL

Swimming in the perfect valley hideaway

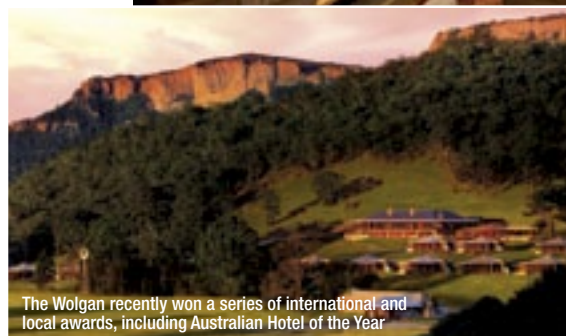
The Wolgan Valley Resort is secreted in one of the less accessible valleys leading off the Blue Mountains west of Sydney. You get there by four wheel drive or helicopter, and you can be sure you won't be disturbed by neighbours, because there's nothing else for miles around.

But the privilege doesn't come cheap: between \$1400 and \$4400 per night.

But with the top end Wolgan Suite you get a private, temperature controlled 4m x 7m swimming pool with a separate pool deck, a courtyard garden, a gourmet kitchen, dining room, private staff quarters, double-sided fireplace, separate lounge area and bedrooms, main bedroom with custom-made king-size bed, second bedroom with zipper king-size bed for flexible arrangement, luxurious ensuite bathrooms with his and hers vanity areas, separate bath and shower and even two mountain bikes.

Of course, the first item on the list is the private swimming pool – no luxurious fantasy would be complete without one.

Wolgan Valley Resort & Spa has won a swag of awards recently, including the Commitment to Excellence Award at the prestigious Leading Hotels of the World Award in Tokyo. The distinguished awards recognise those hotels whose programs



in sustainability, community outreach and cultural support enrich the experience of their guests, and benefit the world at large. In the same awards, the resort won the Environment category for its innovation and dedication to sustainable practices; and for the active protection, regeneration and conservation programs for the wildlife and flora in its surrounding locale.

In Australia, the resort won the Hotel of the Year Award at the 2010 Australian Hotels Association (AHA) National Awards for Excellence. And the owners of the Wolgan – the Emirates Group – also won one of the Conservation Award at the 2010 World Travel & Tourism Council's (WTTC) Global Summit, held this year in Beijing.

Within the Emirates Group, Emirates Hotels & Resorts (EH&R) portfolio encompasses three major conservation projects spread across three continents: Al Maha Desert Resort & Spa in Dubai, Wolgan Valley Resort & Spa in Australia and the forthcoming Cap Ternay Resort & Spa in the Seychelles. 🌿

Unique fresh water sanitising system



EnviroSwim is a fresh water system for pools, spas and water features that sanitises water using nature's minerals and oxygen.

- Eco Friendly system
- Low power consumption
- Elimination of harmful chemicals
- Backwash water can be used directly on garden without dilution
- Works with any type of pump and filter set up
- Australian designed and manufactured
- Independently tested & approved.

Call us today to find out how quickly and inexpensive you can enjoy a fresh, clean, sparkling pool all summer long.

1300 888 457

info@enviroswim.com

www.enviroswim.com



Networking finds answer to filtration problems

The Woolgoolga swimming pool's filtration system was in dire need of refurbishment, and thanks to a cup of coffee and trip to the Gold Coast, a solution was found.

Scott Hunt runs the public swimming pool and water slide at the friendly NSW mid-north coast town of Woolgoolga. The town tourism tagline used to be "a hard name to say, but a great place to stay" (now it is, "the missing piece of paradise"). Rather than struggle with the pronunciation, locals simply call the town "Woopi".

The pool is popular – used by up to 500 swimmers per day, including the local schools for their swim carnivals. Despite being directly opposite a surf beach, it attracts a large number of swimmers all summer – especially the younger families who like the family-friendly atmosphere, while the older teens take to the waves.

But the pool was ageing and Hunt had a problem getting the council to fund much needed maintenance. Surprisingly, the issue was that his patrons enjoyed using the pool.

In a typical case of "the squeaky wheel getting the oil", no-one was complaining about the service or amenities at Woopi, so renovation funds were going to other pools in the area where complaints were common.

"The council was committing money at other pools, yet ours was overcrowded as the town grew – there are now seven schools that use the pool and it's only a five lane, 25m pool. And the local high school has 1100 kids!"

Over the 27 years Hunt had been running the pool, he had spent a large amount of his own money upgrading the facilities. He added a 30m waterslide, water features in the toddlers' pool and in 1995 he heated the outdoor pool with electric heat pumps.

"That was the best thing I did," he says. "It was a lot of money, but it made a dramatic difference to the attendance – doubled it overnight."

In 2002 he built an indoor learn-to-swim pool.

"I had to roll my sleeves up and go to the bank and get some money. But I'm happy.

The pool has helped me raise a family here and become part of the community. I started here in 1985 on a two-year contract, and have never had to apply for the contract since then. So spending the dollars has had positive result in attendance, but it's also given me job security."

Now, he and his wife, Tracy, also run another learn-to-swim facility in Coffs, and the Woopi pool has also provided occasional work for his son, Brad.

A valuable cup of coffee

A chance meeting with a journalist at the swimming pool resulted in Hunt challenging the mayor in the local paper to come to the pool and share a cup of coffee with him, and discuss what could be done to improve the facility.

The mayor took up the offer and they came to an agreement. Major renovations were put into the pipeline, possibly including an additional pool.

But in the meantime, he was given \$150,000 to spend on aesthetics to spruce up the look of the pool and do some essential repairs. He renovated the amenities block, taking it from mission brown and concrete to fully rendered in modern colours.

As the pool had been losing 10,000 litres a day for years, they also spent money trying to stem the leak. Unfortunately they couldn't find it, but will try again in the coming off-season.



The old mushroom filter heads



The new laterals

Finding an answer to the filtration problem

But one of the most urgent problems was to upgrade the filtration.

His old gravity filter mushroom under-drains had failed during a media change. The filter was too old to be able to source replacements, and with his extremely limited budget, replacing the old filters was not an option. Although it needed to be upgraded, the Coffs Harbour Council could not find the money to replace the filters with new high rate pressure vessels at this stage.

Hunt needed to repair the filter and address the problem of slow turnover and poor water quality.

So he went to the SPLASH! Pool and Spa Trade Show on the Gold Coast looking for



The five-lane, 25m pool has to accommodate a growing town and seven local schools

ideas on how to upgrade the old gravity filters. There he met Robert Savell from Hydrocare.

He discussed his problems with Savell, who arranged to stop by at the pool on his way back to Sydney. After an inspection of the troublesome filter, he came up with a concept.

The designers at Hydrocare turned the concept into a design which doubled the lateral area of the filter, reducing the turnover time by 30 per cent and – by using Zelbrite filter media – improve the water quality and double the time between backwashing.

The proposal was then taken to council, accepted, and carried out. All this happened within seven weeks from the first meeting at the SPLASH! trade show.

The water quality is now vastly improved – and at a fraction of the cost of a new filtration system. As well, the time saved allowed the pool to open on time for the swimming season.

Savell says that this type of refurbishment is possible for a large number of pools with older filtration systems around Australia. ☺



Scott Hunt holding the fort – and the tether

SPLASH! online

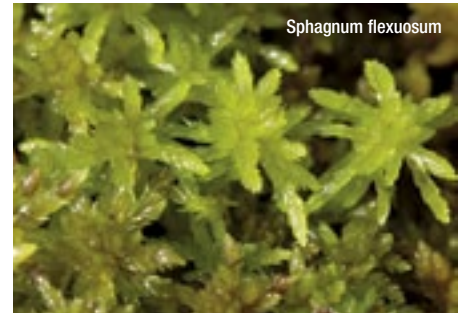
Go online for all the latest industry news



Go to
www.splashmagazine.com.au

For advertising enquiries contact Karen Jaques on (02) 8586 6135 or kjaques@intermedia.com.au

Mimicking nature for cleaner swimming pools



Alan Lewis investigates how a mess of moss can help control biofilm.

For centuries scientists have been learning from the natural world. Nearly four billion years of trial and error have refined biological evolution so that most natural mechanisms that have survived have done so because they work well.

For just the past hundred years we have been treating our drinking water with disinfectants, which we manufacture and apply in various ways, so we will be safe from the pathogens that live in the water.

Yet nature has found its own way of preserving life and protecting organisms from one another, as well as fine tuning the balance between them for their mutual benefit.

We are fortunate today that many scientific disciplines often cooperate and inform each other to enhance their understanding of just how nature manages things with minimum energy while continuing to maintain healthy ecological systems.

The story of the harnessing of sphagnum moss for control of biofilm in swimming pools is just one of many recent developments which exemplify how much we can

learn from nature in pursuing ways to improve and ease our everyday lives.

David Knighton MD has been involved in innovative companies devoted to reparative medicine for several decades. His specialist knowledge led him to examine more closely why Sphagnum Moss was used for dressing of wounds during the Russo-Japanese War (1904-05) and World War I. He found that even before that time, Native Americans and the Vikings used moss in similar ways.

As he deepened his study, he hypothesised that northern Minnesota and Wisconsin Lakes might possibly be purified by virtue of their adjacent moss bogs. This led him to try applying sphagnum moss from this area in his private spa at home.

The downside of this particular moss was that, when applied to his home spa, it imparted an unpleasant smell, as well as a light green tinge to the water. Knighton and his associate Vance Fiegel then began to explore bogs in other parts of the world – leading them to places like Chile, Scandinavia and New Zealand.

Their studies finally focussed on New Zealand's sphagnum moss bogs which have similar chemical properties and the ability to disinfect bacteria and control biofilm that was demonstrated by the US moss, but without the nasty smell and greenish tinge. Most of the anti-bacterial activity comes from the leaves of the NZ moss. This moss was already being harvested for the orchid industry, where the moisture retention capacity of the strands and leaves (apart from the sanitising effects of the moss) is a great advantage to the help cultivate the flowers.

What is biofilm and why is it a problem?

Biofilm is a conglomeration of microorganisms in which cells of various types adhere to one another and/or to a surface. This conglomeration self-produces a slime consisting in the main of a sticky sugary composition of polymers, proteins, and polysaccharides.

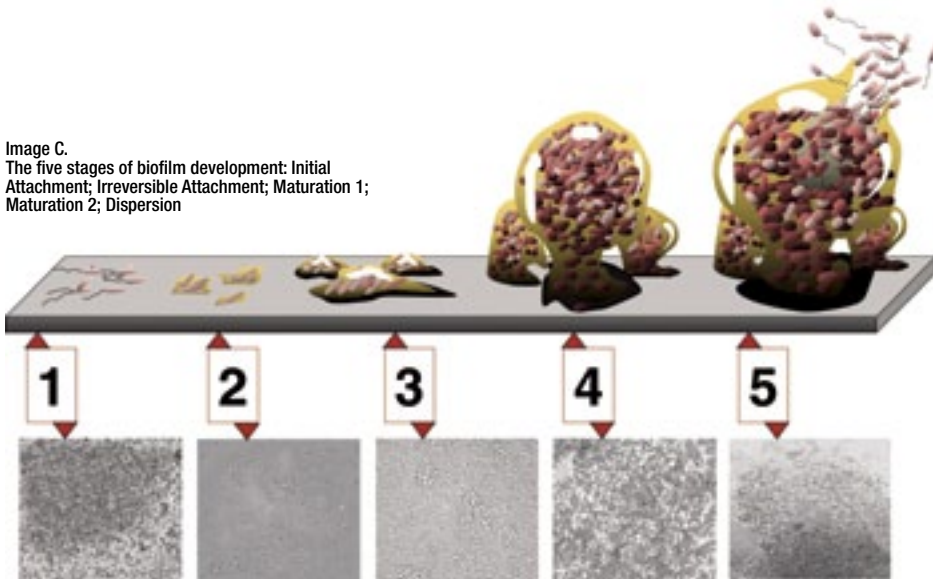
Image C shows a graphic illustration of the development of biofilm. We are all too familiar with the biofilm that develops in our mouths as bacteria attach themselves to the surface of our teeth. If left undisturbed, they are capable of developing holes (caries) in the enamel of a tooth leading to a visit to the dentist with its often painful consequences.

Those who own swimming pools know that it is essential that the surfaces of the pool need brushing from time to time – to prevent slime appearing on the walls or floors.

The analogy is very appropriate, because wherever it is possible brushing (manual or automatic) is just as necessary in pools as it is with our teeth where the bacteria in our mouth must be kept under control.

The equivalent of the biofilm slime in the

Image C.
The five stages of biofilm development: Initial Attachment; Irreversible Attachment; Maturation 1; Maturation 2; Dispersion



pool is the plaque which develops on our teeth in the presence of the saliva which is 98 percent water combined with other components to help the digestion of food.

Swimming pools and spas are easy to monitor because we bathe in them and can inspect the surfaces easily. However, the filtration and the circulation of the water require pipes and vessels which are not exposed to our scrutiny. The bacteria in

heated pool- and spa-water love warm and undisturbed areas where they can attach and protect themselves.

So the average pool or spa owner can expect that the condition of pipes' and filters' internal surfaces will encourage the development of biofilm. The stages of this development are shown in Image C.

It's important to realise that where brushing or physical contact is not feasible, the

biofilm will develop undisturbed. This process is nature's way of "protecting life". Once attached to a surface, the conglomerate of bacteria begins to grow and produce a sticky slime (known as polysaccharides) which coats the film so that the bacteria are protected from chemicals which might attack them and break down their structure.

Eventually the biofilm will become so overcrowded that chunks might be easily detached from the internal surface of the pipes or filter by the flow of the circulation (Stage 5).

Once detached they are then exposed to the chlorine, which will then be able to destroy or inactivate the proliferation of the bacteria. The photomicrographs in Image C are of a real pathogen that is infamously hard to control – particularly in hospitals: *Pseudomonas aeruginosa*. This bacteria is known to proliferate on catheters and other similar devices which are inserted before, during and after operations.

Each stage of development in this diagram is paired with a photomicrograph of a developing *Pseudomonas aeruginosa* biofilm. All photomicrographs are shown to same scale.

DEL ozone™
BEAUTIFUL water
INSIDE out

Not only does ozone provide pools with crystal clear, sparkling beautiful blue water, but in reducing chlorine use by 60 to 90% it helps reduce environmental impact.

Proven to kill 99.99% of bacteria, viruses and molds found in pools as well as destroying other organic contaminants, the only by-product of ozone disinfection is oxygen. The most powerful, naturally-occurring oxidizer that can safely be used in a swimming pool, ozone is faster, safer and 200 times more effective than chlorine.

Phillip Green 0414 369 663
Paul Weston 0417 642 602
Gary Gaskin 0407 053 311

Learn more at www.delozone.com
or at www.hitechpacific.com.au

+ 30% Increased Performance!

Woolgoolga Pool Gravity Filter Upgrade

Hydrocare Pools Plus
Water Treatment Specialists
Tel. 029604 8396
Contact robert@hydrocarepools.com.au

What are the chemical properties of sphagnum moss that make it so effective in controlling the biofilm?

In May 2003, Terence Painter in collaboration with the Institute of Biotechnology in Trondheim University Norway, published a scientific paper which dealt with the wound healing properties of *Sphagnum holocellulose*.

Painter described these critical properties as follows:

"Sphagnum wound dressings can be 3-4 times as absorbent as cotton equivalents, but they also react chemically with proteins of all kinds. This reactivity gives them the potential of immobilizing whole bacterial cells as well as other (properties) secreted by the most invasive pathogens...The complex pectin in sphagnum is structurally similar to known, immune-stimulatory pectins from other plants, including some that are traditionally used for wound healing."

The experiments in this research showed that *Sphagnum holocellulose* immobilised whole bacterial cells in cultures of pathogens:

Of direct interest to the swimming pool industry; a culture of *Pseudomonas aeruginosa*



A large protected Sphagnum bog near Ottawa, Ontario, Canada.

had <0.4% left in suspension (active), while *Escherichia coli* had <0.25 % left active.

The active ingredient of the infused sphagnum moss leaves is known as sphagnum. It is the acidic sphagnum that deprives the pathogens of nutrients - leading to their inactivation.

The conclusions listed were:

1) Sphagnum wound dressings combat infection by immobilising bacterial cells and depriving them of their nutrients.

2) There is no realistic possibility of pathogens developing resistance to the antimicrobial action of sphagnum.

3) All pathogens, regardless of their identity, are subject to the action of sphagnum.

4) Sphagnum wound dressings must be changed often to ensure an adequate surplus of sphagnum is always present.

Knighton and Fiegel went further and conducted their own laboratory experiments. They wanted to be sure that sphagnum suited swimming pool and spa conditions. They repeated the *E. coli* and *S. aureus* experiments and found that the *E. coli* in swimming pool cultures was inactivated by 92%; and the *Staphylococcus aureus* (Golden Staph) by 78% using accepted scientific procedures. Other studies covered the effect of sphagnum on algae, fungi, moulds and the inhibition and removal of the biofilm itself.

From the laboratory they moved on to apply their product in swimming pools - private and public, indoor heated and outdoor

pump up the fun!

HIGHEST QUALITY
AUSTRALIA'S LARGEST SUPPLIER
MOST DURABLE

with Pro-Am inflatables

PRO-AM INFLATABLES
SUPER LARGE & SUPER FUN

PRO-AM AUSTRALIA

WATER AND LAND MODELS AVAILABLE - CUSTOM DESIGNS
DEVELOPED ON REQUEST FREE CD CATALOGUE (03) 9796 5000

www.proamaus.com.au
© Copyright 2011 Pro-Am Australia Pty Ltd.



pools in St Paul Minnesota USA, where the introduction of sphagnum moss achieved marked improvements in the quality of the swimming waters.

Sphagnum moss activities of note include:

1. Clarifies the water.
2. Normal residuals of biocides together with sphagnum reduce eye and skin irritations and do away with the "chlorine smell".
3. Stabilises pH.
4. Absorbs positively charged ions.
5. Removes scale from water surfaces.
6. Lab studies proved inhibition of bacterial and algae proliferation.
7. Lab studies also showed inhibition of biofilm formation and removal of established biofilms.

We ignore biofilm at our peril

Clearly, the very existence of biofilm in the filtration system of a pool or spa is threatening the health of the bathers, whether it be in a private or a public facility.

However, heated indoor pools and spas in aquatic centres, health clubs, hotels, hospitals, hydrotherapy pools

and learn-to-swim schools are of particular concern. In the past, many enzymatic formulas were promoted as capable of breaking down the biofilm and releasing the protected bacteria encapsulated in it. These applications were only of partial benefit and inevitably could not be applied in concentrations strong enough to be effective.

A Sydney pharmaceutical company designed an enzymatic formula called Multi-zyme which was highly effective but could only be applied prior to the draining of the pool or spa, because it totally removed and decimated

the biofilm from the surfaces into the body of the water making it unsafe for bathing.

This sphagnum moss development, brought to the world by the start-up Creative Water Solutions, is a practical and safe application which works in conjunction with normal disinfection systems in pools and spas, specifically for the control and removal of the biofilm in an ongoing continual swimmer friendly way.

The sphagnum is infused into the water from an in-line canister housing the moss "sticks" in domestic pools and spas and in smaller public pools.

Where there is a balance tank (in public pools), a larger bag of treated moss can be simply laid in a place where it will not interfere with the normal flow of the water or block exits to the suction line to the plant room.

Once again nature has taught us a useful and simple solution to what has been in the past a perplexing problem in swimming pools and spas.

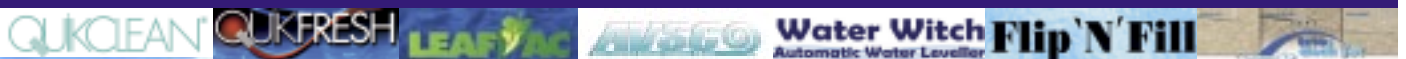
For further information and advice please feel free to contact the author on aquazure34@gmail.com ☺



Take your business to the next level....
for the professional Pool Builder who wants to provide their customers with the most energy and water efficient systems, take advantage of the most highly sought after products, such as the world renowned QUIKCLEAN In-floor Cleaning System and the WATER WITCH Water Leveller from Cooke Industries.



Check out our range of products that can enhance your success.
Cooke Industries is constantly expanding to include the most up to date technology.



Phone: 61 3 5023 3722

Fax: 61 3 5023 5339

Email: enquiries@cookes.com.au

Web: www.cookeindustries.com.au





An instructor with her happy charges

PEOPLE

the focus for future success

South Australia's State Swim has revamped its human resources practices with the aim of maintaining a successful organisation well into the future.

South Australia's State Swim Swimming Schools has been operating successfully for 20 years, but it saw the need to redefine and finetune the way it runs its business.

This has recently led to considerable changes in the way it recruits, trains and supports its employees.

State Swim is one of Australia's largest and most successful swim school groups. It operates seven schools in South Australia under a licence agreement (Clovercrest, Golden Grove, Morphett Road, Mount Barker, Norwood, Seaford and Unley), with the schools owned by a small group of shareholders.

Each year the South Australian schools provide close to 500,000 lessons to children aged from six months to adult.

State Swim offers both structured swimming lessons as well as a squad program that focuses on stroke technique and the ongoing development and retainment of a sound fitness base.

Julie Stevens started with the group as a casual swimming instructor in 1985 while studying at university. She went on to become a shareholder and senior manager. In May 2008 she took on the newly created role of Chief Executive Officer, aiming to provide stronger direction in the management and development of the company.

One of her first priorities was to initiate cultural change within the organisation with the view to making it a more open, trusting and empowering environment across the eight sites.

Recruitment process overhauled

Stevens identified the need for the organisation to overhaul the way it recruited both managers and employees.

"In a traditionally high turnover industry, we realised we needed to use a different approach to attract our recruits, particularly managers," Stevens says.

"Our emphasis had largely been on selecting applicants who had a background in the aquatic and recreation industry, but this provided us with a pretty limited pool of talent to choose from. We found that the skills that are required in management were far more important than the ability to come in and teach swimming.

"We've taken a new approach to recruitment which recognises that the roles are so much about communication and people skills, and conflict resolution, whereas the technical skills can be taught."

State Swim rewrote its recruitment ads to place much more emphasis on personal attributes and the outcome was immediate – a tenfold increase in responses to its advertisements for managers. A similar approach several months later to recruiting swimming instructors proved just as successful.

As a result, this new approach has allowed State Swim to tap into a whole new group of people who may have been missed using the previous recruitment focus.

"Instead of focussing on what an individual doesn't have in terms of experience, skills or knowledge, we are now much more interested in the unique qualities each individual can bring to the job," she says.

"In the past twelve months we've had the opportunity to recruit a whole new group of people that we previously would never have thought would be working in our swim schools – it's been fantastic for the business."

Change in training focus

Hand-in-hand with this change in emphasis in its recruitment has been a revitalised commitment to providing excellent training for both new recruits and long-term employees.

Over the past two years, State Swim has developed a strong and mutually beneficial relationship with the Registered Training Organisation (RTO), World Aquatics. Prior to working with World Aquatics, State Swim had struggled to meet the training needs of the swim schools' staff for several years.

The feedback State Swim received was that the only training course available to enter the industry was cost prohibitive, time

consuming and that the accreditation process was confusing and complex.

At the same time, similar comments were received from existing staff who were needing to re-qualify. The re-registration fee had been raised substantially and State Swim was beginning to see long-standing staff exit the industry.

"Following on from our decision to partner with World Aquatics for our training needs, we have worked in consultation with them to develop a new

"We found that the skills that are required in management were far more important than the ability to come in and teach swimming."

course which better suits our needs, called the World Aquatics Swimming Instructor Course," says Stevens.

"This course utilises the same units of competence as the original course, but has a significantly smaller face-to-face component which enabled World Aquatics to price the training more reasonably. Several improvements have been made along the way, including the workbook being translated to an online assessment option."

However, it wasn't an easy process. There were a number of hurdles involved in getting this training off the ground, not the least of which was changing legislation.

Under a specific piece of Federal Government legislation, swim schools could claim GST exemption if their instructors were trained using the very well established swimming instructors course. State Swim and World Aquatics lobbied for months to get this wording changed to instead allow other RTOs to deliver training using specified units of competence.

These efforts resulted in a change to the legislation, which meant the course was able to be rolled out and is now widely used in South Australia and other states by a number of swim schools.

Another example of how this partnership with World Aquatics has benefited State Swim is the development of a new Pool

Plant Operator course. State Swim had a number of concerns about the training that was previously being offered, so when approached by World Aquatics for advice on its course development, the group stipulated two main requirements – keep it simple and practical, and ensure that on-the-job training and assessment are included.

The World Aquatics Pool Plant Operator course is now delivered over two days



CEO Julie Stevens



State Swim staff at a fun run fundraising event. It raised more than \$25,000 for local youth charities

"Another aspect of State Swim's training program is the re-introduction of group-wide induction days."

face-to-face. While primarily theoretical work, the course is not heavily focused on chemistry as had been the criticism of other courses. The trainees then enter the workplace for their on-the-job training and are assessed on-the-job when ready, reflecting the fact that every plant room is quite different.

A significant investment

Stevens says that State Swim has backed its commitment to training with a significant financial investment in its employees, requiring its employees to update their CPR qualifications every 12 months, maintain a current instructing qualification and a Senior First Aid Certificate if working in a customer service, supervision or maintenance role.

In response to employee feedback and in line with the focus on providing a career path for staff, State Swim now funds 80 percent of fees for courses that allow an employee to branch into other areas of the business. These include infant aquatics, coaching and pool plant operator training.

Equally, State Swim pays its customer service and supervisor staff while they are undergoing their initial training, averaging in excess of 100 hours per person.

Another aspect of State Swim's training program is the re-introduction of group-wide induction days. In recent years this process has been handled by each swim school, but now successful applicants across the seven swim schools will be brought together for half-a-day to learn about the organisation, its structure and goals, and their role within it.

"While this will increase training costs, the benefits of bringing all new staff together to learn about the company far outweigh this cost," says Stevens.

"With seven sites and seven management teams, there will always be an element of difference at each swim school, but a group-wide induction day from the outset will help new employees understand what State Swim stands for and will ensure some level of consistency, which is important."

State Swim's commitment to training saw the group named as a finalist in the 2010 SA Training Awards late last year, in the Employer of the Year category.

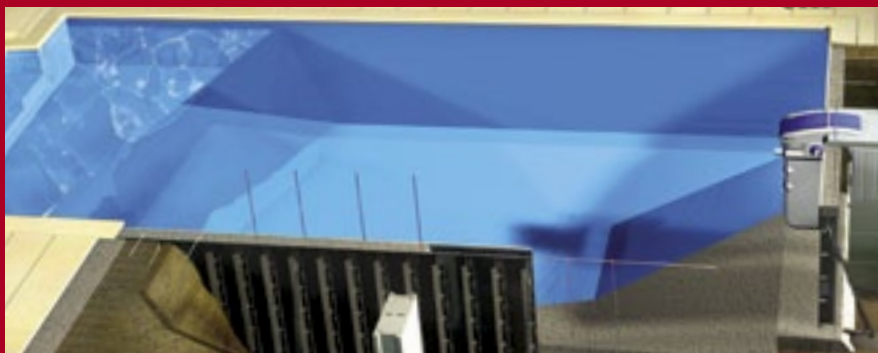
For Stevens, State Swim's new approach to recruiting, training and supporting its staff is integral to the long-term success of the group.

"This is about keeping employees engaged and motivated over a longer period of time," she says. "Many of the roles in the organisation have a high level of repetition to them – many of the elements are largely the same day after day.

"So the key question for me is, 'how do we go about keeping these people engaged?' I believe the ongoing training and the opportunities that open up as a result are crucial to that." 📍

New Products

The latest ideas to make residential and commercial pools, spas and landscapes more enjoyable, stylish, efficient and easier to maintain, including luxurious accessories, technological advances and new concepts from Australasian and international manufacturers, suppliers and service providers.



Pipe-less pools arrive in Australia

FRENCH modular swimming pool and pool accessories manufacturer, Desjoyaux, has launched its Desjoyaux Lifestyle Pools range to Australia, which features pipe-less construction.

Desjoyaux says their swimming pool design eliminates under-deck and around-the-pool plumbing lines – meaning less maintenance and problems with leaks. And there are no openings required in the pool walls and floor for water inlets, outlets, skimmers, vacuum cleaner inlets or main drain. As the filtration is partly underground and self-contained, there is no equipment to hide or technical housing to build.

They also say the system can run off three amps, saving up to 80 percent of the cost of power for a typical swimming pool, while filtering down to 6 microns with no back-washing and very little maintenance required.

The pools also come with options for cross-current swimming and hydrotherapy jets.

For more information go to www.desjoyaux.com.au or call (02) 8882 9242.

ECODOMES MANUFACTURING IN OZ

POOL enclosure company Ecodomes is now manufacturing its environment-friendly covers in Australia, from a facility in Capral, Victoria.

The versatility of Ecodomes' flexible system is in its ability to retain an outdoor option for beautiful summer days, while also offering complete weather protection when the cooler seasons come along.

An enclosure not only provides the potential for year-round swimming but also creates an elegant additional room for entertaining and exercise. Ecodomes' patented designs are among the most innovative and technically advanced in the world, and the company has more than 40 years experience in the construction and design of lightweight structures.

Ecodomes' enclosures can be either fixed in position or mobile. All moveable sections can also be telescoped into one fixed end section. The enclosures may also be freestanding if attached to a building or a wall.

Most importantly, the enclosures contain UV-treated roof panels to prevent UV radiation penetration. Whether it's the height of summer or the middle of winter, the enclosures allow for swimming all year round.

Ecodomes believes the enclosures represent ecological thinking, saving on heating, pool chemicals and water loss through evaporation, while helping protect consumers from the damaging effects of the sun and promoting more exercise time.

And when the home owner moves, it can be dismantled and taken to their new location. For more information go to www.ecodomes.com.au or email sales@ecodomes.com.au.





TIMBERTECH GETS THE GRADES

TIMBERTECH XLM Plank has been awarded the Brushfire Attack Level 29 Approval as well as Wet Barefoot ramp Class B approval.

TimberTech, one of the world's largest manufacturers of composite decking, is the first company to receive certification of compliance up to and including Brushfire Attack Level 29 (BAL) for their XLM decking products in accordance with Australian Standards. The XLM plank was tested in Australia to be compliant with AS 3959 requirement via testing method AS1530.8 and is recognised by all major fire authorities in Australia

XLM decking also provides unparalleled slip resistance resulting in peace of mind for end users. The XLM plank was extensively tested by CSIRO to all elements of slip testing with an outstanding result in the wet barefoot ramp test (Class B). TimberTech says the result is unmatched in the Australian market.

"The wet barefoot result has been quickly picked up on by designers and builders as it's required for commercial pool surroundings, plus the added benefit of being extremely low maintenance," says Jeffrey Price, national product manager ITI Australia.

Plus additional benefits of stain-, scratch- and mould- resisting demonstrates further the durability of the XLM planks. There are four fade resisting colours – Mountain Cedar (deep brown), RiverRock (light grey), SandRidge (soft beige) and Desert Bronze (med brown with dark brown fleck) with two new colours to be released in 2011. It is available in 4.8m and 6m lengths. All are backed with a 25-year limited residential warranty.

Forty percent lighter than TimberTech's wood plastic composite planks, XLM is an extremely durable expanded polymer decking material that features a solid cap to reinforce its structural integrity and is available in grooved or non-grooved planks.

Grooved planks are designed to work with CONCEALoc, TimberTech's new stainless steel hidden fastener, which provides quick and consistent gapping while keeping a fastener free surface.

For more information call ITI Australia in your nearest city: Sydney (02) 8805 5000, Melbourne (03) 9392 8400, Perth (08) 9434 2799, Adelaide (08) 8347 7011, Brisbane (07) 3718 5700.

I need to find a pool product in a hurry!
Where do I look?
The Online Blue Pages.



The Online Splash Blue Pages Directory allows you access to all the latest products and services in the Pool, Spa and aquatics Industry. With more than 450 supplier listings, plus thousands of products and brands.



Go online now and check it out.
> Click on the [Blue Pages Directory](#),
> www.splashmagazine.com.au



For advertising enquiries contact
Karen Jaques 02 8586 6135
or kjaques@intermedia.com.au

PENTAIR RELEASES NEW WHISPERFLO XF

PENTAIR says the new WhisperFlo XF high performance pump is their most powerful and efficient yet released.

The new WhisperFlo XF pool pump was developed using computational fluid dynamics (CFD) and finite element analysis (FEA).

The proprietary impeller design delivers a higher level of precision concentricity for increased efficiency. The proprietary hydraulic isolator smooths the water flow inside the volute, raising the efficiency even higher. With capabilities in excess of 200 gpm, WhisperFlo XF is an ideal choice for many residential and commercial applications; especially those involving water features, negative edges and slides.

Features include:

- New upgraded dual-compartment motor for simplified field wiring;

- New hydraulic isolator separates priming water from pumping water for faster priming, more turbulence-free flow and increased efficiency;
- New union connectors included for connecting directly to 2.5" or 3" plumbing;
- Diamond seals made of oxidation-resistant, self-retaining EPDM rubber for increased durability and tighter seal;
- Extra-large, robust basket with smooth surface for easy debris removal;
- Drop-in replacement for original WhisperFlo; and optional riser plate enables easy Challenger replacement;
- Modular plumbing system means less need to cut and glue pipe;



- External port-threading and tool-free union nuts need only hand-tightening;
 - Easy-carry handle; easily removable, ergonomic lock ring; and see-through lid for easy basket inspection.
- For more information go to www.pentairwater.com.au.

AstralPool launches range of Aquatron robots

ROBOTIC swimming pool cleaners are ideal solutions for the modern pool owner seeking environment-friendly and energy-efficient filtration systems. Aquatron, now owned by AstralPool, manufactures a complete range of electronic, robotic swimming pool cleaners, including both entry level and premium domestic cleaning robots as well as premium commercial swimming pool cleaning robots.

The new product range now available through AstralPool includes:

- Aquatron Pandora Pilot Robotic Cleaner
- Aquatron Pandora Smart Robotic Cleaner
- Aquatron Typhoon Pro Robotic Cleaner
- Aquatron Typhoon Max Robotic Cleaner

The Pandora cleaners are designed for residential use and are suitable for all pool surfaces and most pool shapes.

They are cleaners that run completely independent of the swimming pool filtration system and are ideal for pool owners looking to take advantage of energy efficient pumps since it eliminates the need for high flow to run suction cleaners.



The Typhoon cleaners are ideal for commercial or Olympic size swimming pools, and include wireless remote control, different speed settings and the ability to filter down to 2 micron.

To find out more about the new AstralPool range of robotic cleaners visit www.astralpool.com.au.

NEW DELHI 2

waves 0

POOL | SPA | BATH 1

INTERNATIONAL EXPO

Tap into the
fastest growing
pool & spa
market in the
world!

INDIA'S
FIRST!

DID YOU KNOW?

- INDIA'S POOL & SPA INDUSTRY IS A US \$350 MILLION MARKET
 - THE INDUSTRY IS SET TO REACH \$1 BILLION IN 5 YEARS
 - INDIA'S POOL & SPA SECTOR GREW BY OVER 50% IN 2010

10 - 12 AUGUST 2011, PRAGATI MAIDAN, NEW DELHI
FREE TO ATTEND! REGISTER NOW AT WWW.WAVESEXPO.COM

Platinum Sponsor



Media Partners



Organised By



Exhibitions India Group
ISO 9001:2008 & ISO 14001:2004

WATERCO RELEASES MULTICYCLONE PLUS

WATERCO has unveiled the next generation of its multi award-winning centrifugal pre-filter, the MultiCyclone. Waterco engineers have taken the MultiCyclone technology one step further and developed the MultiCyclone Plus, a vertically-mounted, all-in-one pre-filtration and filtration unit which saves between 7000 and 10,000 litres of water a year compared to sand filtration systems.

The Australian-designed and invented MultiCyclone Plus is a world first, and uses the most advanced hydro cyclone technology to reduce the footprint of the filtration system. It combines all of the revolutionary features of its predecessor with an inbuilt cartridge filter – and the streamlined design means the entire pool filtration system can be installed vertically, atop a standard pool pump.

The MultiCyclone Plus can filter pool from plunge pool size to 73,000 litres.

Waterco's group marketing manager Bryan Goh says they have created an ultra compact, complete pool filtration system which occupies virtually half the footprint of a 24-inch sand filter.

“By placing the MultiCyclone on the top of the filter, it takes up the footprint of the pump, which means it's more hydraulically efficient,” says Goh. “The MultiCyclone Plus's hydraulic efficiency means that



a small ¾ horsepower or 0.61kW pump is capable of circulating water through it. Plus it only requires simple, minimal plumbing.”

The MultiCyclone Plus increases the capacity of the 40 square foot filter cartridge by five times, equivalent to a 200 square foot filter cartridge. Its centrifugal section filter pre-filters up to 80 per cent of the dirt which would normally go into the filter, and drains it out.

“And the MultiCyclone Plus has already been received by industry. We received great feedback when we previewed it at the industry shows

SPLASH 2010 and Lyon Piscine 2010.”

It has been independently tested by NSF International, the world leader in standards development, product certification, education and risk management.

In 2007 the MultiCyclone technology was awarded the Piscina Barcelona Sustainability at the prestigious International Swimming Pool Exhibition, Piscina BCN. And this year it was named the Environmental Product of the Year at the SPLASH! Environmental Awards – the world's only such awards for the swimming pool, spa and aquatics industries.

For more information go to www.waterco.com.au

Amber's ancient inspiration

INSPIRED by the ancient marble masterpieces of the Greeks and Romans, Amber's new Style collection adds glamour to the wide range of porcelain flooring, indoor and out.

The range features faithful reproduction of a selection of marbles characterised by clean lines and attention to detail, it is the full-bodied porcelain stoneware flooring option for those looking for elegance using superior finishing materials.

The Style collection comes in three colours – the pure Bianco Venato, the sophisticated Bianco Winter and the strong Beige Safari. The Bianca Venato is reminiscent of the white-marbled Taj Mahal, a combination of purity and luminous graphics, suitable for those spaces where elegance means crystalline hues.

The Bianco Winter takes on a slightly beige tone; visible but discreet; the refined directional stripes of the Bianco Winter give personality and warmth to a pure white backdrop. The Beige Safari is characterised by the intensity of the golden beige surface and creates an unexpected luxury for unusual, alluring atmospheres.

All three colours are available in 450mm x 450mm, matt and lappato (semi-polished finishes). The Bianco Venato also comes in 300mm x 600mm lappato.

For more information go to www.ambertiles.com.au.



VISIT

retailbiz.com.au

FOR THE LATEST RETAIL NEWS AND PRODUCTS



**FREE
EMAIL
NEWS
JOIN NOW!**

Go to www.retailbiz.com.au to subscribe and receive the latest industry news directly to your inbox

For advertising enquiries contact: David Mcleod on
P: 02 8586 6169 or email david@intermedia.com.au

MARINER COMMERCIAL RANGE OF ROBOTIC CLEANERS

MARINER, through sole Australasian distributor **ALIAS**, has launched their new range of commercial robotic pool cleaners to the local market.

Mariner 3S pool cleaners can be used in any pool independent of its shape and size. A unique filter system and an optimised fluid mechanic make the Mariner 3S cleaning system very efficient.

Mariner says the high quality materials and manufacture guarantee a long service life and unbeatable cost efficiency. They are made in Switzerland and come with a comprehensive two-year warranty

For further information go to www.marinaustralia.com.au.



Tomorrows solutions today

Forget the problematic bells and whistles. Lets go back to the future with a **traditional Transformer Based Saltwater Chlorinator for a robust reliable system!**

- ✓ Distributors wanted
- ✓ 100% Australian made for Australian conditions
- ✓ Back to the future! Latest technology and easy to use
- ✓ 3 year full warranty

Contact: Shaun Bloodworth or Des Pacek
p. 07 5565 0000
e. sales@evolutionwls.com.au
 Unit 27/30 Mudgeeraba Road
 Worongary Qld 4213

evolution WATER & LIGHTING SOLUTIONS

www.evolutionwls.com.au

Cordell 
 Tenders Online

Are you looking for tenders for swimming pool construction and maintenance?

Look No Further

Cordell Tenders Online has a database overflowing with tenders relating to all areas of:

- Swimming pool construction and maintenance
- Aquatic centre management
- Supply of swimming pool equipment

Call Barry
1800 674 120

For more information on how we can help you email: tolsales@cordell.com.au

www.cordelltenders.com.au

New from Zodiac POWERFIRST HEAT PUMP

ZODIAC Powerfirst heat pumps combine top performance with an ozone friendly energy efficient operation. They are designed to suit most pool types.

Engineered with new "soft start" to reduce excessive power consumption while the unit powers up, the energy efficient Powerfirst also uses R410a refrigerant.

Operating the Zodiac Powerfirst heat pump is as easy as setting the desired water temperature. Thanks to its clever Intelli-Heat[®] feature, the unit will maintain its set temperature at any time of the day, running completely independently of the filter cycle time. It also features a uniquely designed fan for a whisper quiet operation.

It comes with a lifetime warranty on the solid titanium condenser, regardless of water chemistry or the sanitation method used.

(*Intelli-Heat controller must be ordered separately or heat pump will operate with normal filtration timers)



FLOPRO EPUMP

ZODIAC says its new FloPro ePump is the next generation of swimming pool pumps for Australian pools.

As a variable speed pump, the FloPro ePump is engineered to significantly reduce high electricity consumption and CO2 emissions commonly associated with swimming pool pumps. Pool owners can customise the speed that their pump motor is running while still turning the pool water over in the required amount of time.

Featuring a low-voltage external controller which regulates the variable speed of the pump, the FloPro ePump can be remotely adjusted using the latest wireless Jandy remote control, to run at a speed which is optimally economical and energy efficient.

Zodiac says that based on a normal filtration run time of eight hours at half speed and an electricity rate of 20cents per kW/h, running the FloPro ePump can save pool owners nearly \$568 in electricity costs annually. The ePump also features an ultra-efficient double insulated motor, meaning it runs very quietly. For more information call 1800 688 552 or go to www.zodiac.com.au.

THE AQUAMAID™ CHECK & BALL VALVE

The Aquamaid Check Valve and Ball Valve are for use in swimming pools, spas, solar heating systems, irrigation and other industrial applications.

NEW IMPROVED



BENEFITS:

- Positive seal/prevents backflow
- Low friction loss
- No corrosion
- Fully serviceable
- Ball Check & Valve interchangeable
- Australian made



290 Boundary Road, Braeside, Victoria 3195

Telephone: (03) 9580 9055

Fax: (03) 9580 7156

<http://www.aquamaid.com.au>

email: aquamaid@aquamaid.com.au

Nationally Recognised Training and Assessment via Recognition of Prior Learning

for licensing in Queensland and New South Wales and for professional development for the pool and spa industry for industry professionals at every stage of their career

NO classroom time = NO time away from the business

FOR NEW SOUTH WALES

CPC40808 Certificate IV in Swimming Pool and Spa Building

► NEW For NSW Swimming Pool Building licensing pathway

FOR QUEENSLAND

CPC40808 Certificate IV in Swimming Pool and Spa Building

- BSA **Builder Restricted** to Swimming Pool Construction
- BSA **Builder Restricted** to Swimming Pool Construction — Site Supervisor
- BSA **Builder Restricted** to Structural Landscaping
- BSA **Builder Restricted** to Structural Landscaping — Site Supervisor

30918 QLD Certificate III in Swimming Pool and Spa Construction, Installation and Maintenance

- BSA **Trade Contractor** — Construction Pathway
- BSA **Trade Contractor** — Installation Pathway
- BSA **Trade Contractor** — Maintenance and Accessories Pathway

PROFESSIONAL DEVELOPMENT

30663 QLD Certificate III in Swimming Pool and Spa Water Maintenance Technology

► For onsite pool water and plant maintenance for commercial operations



Contact NSPI Australia for more information
www.nspi.com.au ► 07 3252 6702

Subscribe to



Tax invoice

Please find enclosed my cheque/money order for \$ _____ payable to **The Intermedia Group Pty. Ltd.** OR please charge my:

Mastercard Visa Amex

Cardholder Name: _____

Expiry Date: ___ / ___ Signature: _____

Name: _____

Job Title: _____

Company: _____

Address: _____

Suburb/Town: _____ Postcode: _____

Ph: _____ Fax: _____

Email: _____

The Intermedia Group Pty Ltd ABN 94002583682 PO Box 55 Glebe NSW 2037. Fax back your subscription to: (+61) 2 9660 4419 www.intermedia.com.au or call 1800 651 422

Yes! I wish to receive **SPLASH!** magazine

Within Australia *

- \$60.00 – 1 year, 6 issues
 \$96.00 – 2 years, 12 issues – Save 20%
 \$126.00 – 3 years, 18 issues – Save 30%

* Prices quoted include GST

Overseas Rates

New Zealand

- \$AUD62.00 – 1 year, 6 issues

Asia Pacific

- \$AUD75.00 – 1 year, 6 issues

All Other Countries

- \$AUD85.00 – 1 year, 4 issues

We are committed to handling your personal information in accordance with the privacy act.

Please Select one of the following:

- Yes No - Please send me

information about special offers and or events from SPLASH!

Ad Index

Amalfi Mosaics	10
Aqua Leisure	52
Aquamaid	89
Astral Pools	20
Automatic Pool Cleaners (Aqua-Quip)	23
Classic Pools	63
ClevaQuip	IFC
Compu Pool Products	25
Cooke Industries	79
Cordell	70, 88
Desjoyaux	33
Emaux Water Technology	21
Enviroswim	73
Evolution Water & Lighting	88
Heliocol Solar	32
Herborner Pumpenfabrik	37
Hi Tech Pacific (Del Ozone)	77
Hot Water Heat Pumps	69
Hydrocare Pools	77
International Quadratics	48
Magnum Filters	8
Meddings Thermalec	67
NSPI Australia	63, 89
Ozone 1	68
Pentair Water Australia	0BC
Pool Controls	IBC
Pool-Water Products	17
Pro Am	78
Puresilk	12
Remco Australia	19
Rheem Australia/Raypak	14, 53
Sancell	15
Skypebble	36
Spa Electrics	54
Spa Industries (Just Spas)	51
Stormtech	30
Sunbather	4
Sunlover Solar	22
Supreme Heating	31
Swimplex Aquatics	70
Toyosi	71
Vendart/J G Marketing	71
Waterco	46
Waves Magazine	85
Workforce Guardian	64
Zeolite Australia	68
Zodiac Group Australia	6

CHEMIGEM

All you need to help maintain clear, healthy water... Automatically




pool
CONTROLS

THE COMPLETE SOLUTION TO YOUR POOL CONTROL NEEDS

Sales/Service: **1300 550 010** Fax: **1300 895 231**

Web: www.poolcontrols.com.au Email: sales@poolcontrols.com.au



Don't be left high and dry.



To optimise the performance of your pool, you need the world's smartest pool pump. The IntelliFlo VF High Performance Pump. With an onboard computer, the IntelliFlo automatically calculates and programs the minimum flow requirements for every pool task – filtering, heating,

cleaning, spa jets and more. The IntelliFlo can generally save between \$620 and \$1360 a year in energy costs. So you'll enjoy your pool even more.



Pentair Water

Pool and Spa® *Together we build dreams*