



THE INSTITUTE OF SWIMMING POOL ENGINEERS

# MAGAZINE

January 2019

Vol. 29 No. 4



Celebrating 40 Years

- 1999 Award
- Update on CORGI
- Seminar Report
- SPATEX 2015
- Technical Articles
- Domestic & Commercial
- Back to Basics
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- SPATEX 2015
- ISPE Spas Seminar
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### NOTICE TO ALL READERS

Articles and advice in the ISPE Magazine are for guidance only. Further professional advice should always be sought before acting upon, or refraining from acting upon, a course of action. Health & Safety is of paramount importance and the correct PPE (personal protective equipment) should always be utilised before undertaking any job.  
If in doubt, ASK!

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## Front Cover Picture

The front cover is a bit different for this issue, in celebration of the Institute's 40<sup>th</sup> anniversary (7<sup>th</sup> December 2018).

The first ISPE Newsletter (vol. 1, no. 1) was produced in 1981, typed and photocopied by Molly in her kitchen! By 1984 it was 'properly' printed and ran to 12 pages. After a short gap, a change of printer resulted in a professional 'magazine'-look (but this was strangely also labelled vol.1, no. 1, in January 1990).

February 1994 saw production taken back to b/w, to reduce costs, but colour covers were added in December 1995. A year of new design started in January 1999 until the first full colour issue, vol 10, no. 1, in January 2000.

Minor design changes occurred in 2008 and again in 2014 leading to what you see before you today.

The ISPE archive holds every issue. Does anyone else?

## Editorial

In celebration of the Institute's 40<sup>th</sup> anniversary, there's a look back to how it all started and has developed since, on page 3 onwards of this issue.

Just as the celebration started we heard the sad news that long-serving and well-known ISPE Fellow, John Dawes had died, and a tribute to John is included here, starting on page 19. In addition, over the Christmas period, we heard that Norman Mindel, MISPE, had sadly died and a tribute to Norman will appear in the next issue.

John and Norman were both at the first ISPE Seminar back in 1981 and there's a look at that milestone event and the more recent seminars in this issue.

SPEX 2019 is now upon us and we hope to see you there. Keep busy!

**Ross Alcock, January 2019**

Innovative, professional pool dosing systems manufactured in the UK

The advertisement features a blue header with the text "Innovative, professional pool dosing systems manufactured in the UK". Below this, on the left, is a white Pellet+Pro Motive pool chlorinator system with a label that includes the product name, "POOL CHLORINATOR SYSTEM", and safety instructions. In the center is the Gaffey logo, a stylized blue and white 'G' inside a circle, with the text "GAFFEY technical services Ltd" below it. To the right of the logo are three lines of text: "hyprolyser.com", "desoclenz.co.uk", and "gaffey.co.uk". On the far right is a white Hyprolyser dosing system with its door open, showing internal components and a label with the product name.

## The ISPE Celebrates Its 40<sup>th</sup> Anniversary

*On Saturday November 15<sup>th</sup>, 2003 around 120 Institute members, their friends, colleagues and families attended the 25<sup>th</sup> anniversary dinner of the Institute of Swimming Pool Engineers. The inaugural President of the ISPE, John Wilkins, made a short speech outlining the history of the Institute, and it is useful to be able to re-visit parts of John's speech, now, and adding an update relating to the last fifteen years or so, as the Institute celebrated its 40<sup>th</sup> anniversary on 7<sup>th</sup> December 2018.*

It all came about when a meeting was held in London at the Farmers Club, on Thursday, 7<sup>th</sup> December 1978, to discuss advertising and promotion of the swimming pool industry to the general public. The members present were John Wilkins, Fred Brickell, Peter Geekie, Hugh Gibson, Graham Rutherford, John Fowler and Brian McLaughlin and apologies were received from Gerry Godden, Jack Prichard and Jack Bishop. Ten persons in all. These people represented firms, which were largely the backbone of the then Swimming Pool Industry. During the luncheon break a general discussion took place and it was suggested that an Institute be formed to represent the individuals working within the pool Industry. It was agreed that the 10 persons mentioned should form a Management Committee and John was elected as Chairman.

It was agreed that the Institute would be for individuals

within the industry. It was also decided that no corporate membership should be allowed, and that the ISPE, as it was to become known, would concentrate on a programme of education and training. The Institute would also encourage the free exchange of information, knowledge and experience.

The next meeting was held on March 15<sup>th</sup> 1979 at the Eccleston Hotel, London when formation details and entry criteria were formalised. This was followed on May 11<sup>th</sup> 1979 when an open meeting was held. 56 people attended this meeting, with apologies from a further 26. At this meeting John Wilkins was elected to be the first ISPE President.

It was uphill work. After the initial interest, it was not until the end of 1980 that the Institute could boast a membership of 121. At this point in time the Council of Management realised they needed to have a Secretary to run things properly.

Molly Alcock had been John's Secretary in the early sixties and had eventually become Manager of John's company, Anglian Pools. She therefore had a good knowledge of the intricacies of swimming pools. Molly, coincidentally, had telephoned John on an unrelated matter, and at the end of their conversation, John asked Molly if she would like a little job to run the Institute, as its Secretary, which, he said, would take about 2 hours a week. Clearly, over the

next 32 years Molly put rather more than two hours a week into the Institute and, with her guidance, assisted by her son Ross, who as the 'new boy' was taken on as the only ISPE employee in July 1989, the Institute has been built up to what it is to-day.

The Institute's first one-day seminar was held at Graham Rutherford's premises in Battle on 1<sup>st</sup> October 1981, and 36 persons attended. The Institute will be holding its 121<sup>st</sup> Seminar in March 2019.



John Wilkins and Graham Rutherford at the 1<sup>st</sup> ISPE Seminar in 1981.

The ISPE Seminars have covered virtually every conceivable subject relating to swimming pools and all associated areas, and an enormous vote of thanks is due to the many people who quite voluntarily have made technical presentations and spoken at these events. The same applies to the on-going Workshops, which are held at regular intervals and are an important part of the Institute's educational programme.

The Institute's Home Study Course was launched in 1982 and has become successful beyond all

expectations. Last year around 80 new student members registered and there are around 180 people registered on the Home Study Course at the present time. Here, too, we have to thank the current and past Tutors and of course those who put the course together in the first place, including Peter Geekie, Jim Johnson, Bill Hales and Colin Marks, and others who oversaw its first twenty years or so. It is their time, effort and dedication, which has contributed so much to the Institute and, therefore, to the Swimming Pool Industry as a whole.

In the early days, Molly produced a simple 8-page typed and photocopied 'ISPE Magazine' and over time this grew into a 12 page and then a 32 page full colour production. Again a huge vote of thanks to all the advertisers, whose support has been so essential to its success, and to all those who have contributed articles and items for publication.

Thanks to the financial contributions from SPATEX over the last twenty two years or so, and enormous help from John Dawes, FISPE, who acted as the Institute's Technical Editor for many years, the Institute was able to publish a series of twenty two Technical Papers. More recently, 2017 saw the launch of the ISPE Continuous Professional Development scheme. The publications and the CPD scheme are available to the whole of the Swimming Pool Industry, not just for the Institute membership, and the Institute is grateful to those companies that are actively supporting the ISPE CPD scheme

by offering 'Industry-supported' free-of-charge CPD training days.

Over the past 40 years the ISPE has had many well-known and illustrious Presidents. From its formation in 1978, John Wilkins held the position as President up to 1985 when he handed over to John Asher. Since then the following have held the Office of President, John Asher was followed by Dave Stedman, Jim Johnson, John Lamb, Selwyn Mindel, Graham Rutherford, Malcolm Sharp, Ben Studdy, Phillip Hall, Chris Carr, Ian Betts, John Scott, Alan Pugh, Howard Gosling, Allen Wilson, John Cheek and the current President, Colin Day.



Jim Johnson, ISPE President  
1988-90.

The Presidents, together with all members of the Council of Management, past and present, have given hours of their time and travelled hundreds of miles to attend meetings and seminars in the service of the Institute and on behalf of the Institute, sincere thanks is due to them all.

Without the Institute members there would not be an Institute. Every one contributes to the Institute's progress, from the

students to the Fellows. There are many who say how proud they are to be part of the Institute, which has become one of the swimming pool industry's great successes.



Molly Alcock and John Asher  
preparing for the AGM in 2005.

It must be noted with some degree of sadness that many of the 'Founding Fathers' of the ISPE are no longer with us. A number of former ISPE Presidents, Council members and long time members have also sadly passed away over the years and special mention must be made of John Wilkins and Molly Alcock who died just a year apart in 2012 and 2013.

We now look towards the 50th anniversary, in less than ten years time, and hope that whoever is holding the wheel at that time will continue to successfully steer the ISPE forwards, but with a nod of appreciation to what has gone before them, and will acknowledge how the Institute has grown from such humble beginnings.

***Molly Alcock, November 2003  
with additions by Ross Alcock,  
December 2018.***

# You May Confer - ISPE Conference Questionnaire

For the last year or so the ISPE Council have been deliberating the worthiness of holding an ISPE Conference. This would, for the most part, be similar to an ISPE seminar, but would include technical presentations and a chance to view products and talk to technical representatives from various participating companies, in a separate area. This could be a one-day or a two-day event and it could be held mid-week or over a weekend, if demand is sufficient. There could be a social event at the end of the first day, or not.

The Council need some feedback from the members as to what YOU would like to see. Please take a moment or two to complete the questionnaire and scan and email to us (ross@ispe.co.uk) or just send us an email, adding any other comments, so we can gauge some opinion. Simply add a tick or cross inside the brackets. If you prefer the One-Day ISPE Seminars as they are, please say so.

### ISPE Conference Questionnaire

Would you attend an ISPE Conference? Yes ( ) No ( ) Possibly ( )

Would you prefer to attend: a one-day ( ) two-day ( ) or no Conference\* ( )

Irrespective of whether it is one- or two-day, Conference **or Seminar**, would you prefer mid-week ( ) or a weekend event? ( )

Would you attend a dinner/social event at the end of the first day? ( ) and Would you be interested in staying overnight if there was a social event ( ) (subject to cost).

Suggest a suitable town/city/venue: .....

What subject(s) would you like to see presented? .....  
.....

Would you or your company like to participate? (give details) .....  
.....

\*Would you prefer to attend a normal ISPE One-Day Seminar instead? .....

Do you generally attend ISPE Seminars? (Yes/No/Sometimes) .....

If no, why not? (e.g. too expensive, I'm too busy, not local to me, not interested in the subjects, etc. [please state a reason])  
.....

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# Make visiting SPATEX 2019 your New Year's resolution

Offering visitors the opportunity to meet over a thousand representatives from the wet leisure industry under one roof in just ONE day; attend a host of NEW informative workshops and seminars and win a raft of NEW visitor incentives, SPATEX 2019 promises to banish January blues and kick-start the NEW pool season. There's only one place to be Tuesday January 29<sup>th</sup> to Thursday January 31<sup>st</sup> and that's Coventry's Ricoh Arena.

## Sur-prizes!

Be sure to leave your business card at the SPATEX Help Desk (at the entrance of the Ericsson Hall) for the opportunity to win the daily raffle prize of **Apple EarPods**. PLUS! be in with a chance to win two tickets to the **Bon Jovi concert** at the Ricoh Arena on June 23rd 2019 and a **couple's night away** at a DoubleTree Hilton.

## Making an entrance

SPATEX 2019 will be welcoming a host of **new exhibitors** to the Ricoh Arena with companies such as Alukov UK Ltd, BU Covers, Certikin Autocovers, Contech UK Shotcrete Services, Paneltim, Light Projects Ltd, Lux International UK Ltd, Proofvision, Stainless Steel Pools B.Art, Blue Whale Spa, the Lifting Pool Floor Co, FITT, Pacific Breeze, Princess Spas, Kerlis, Recotherm, Rockford, Spa Solutions, Mosaic Spa Company, Institute of Swimming, Guangzhou Taisheng Sanitary Ware, Chinese Spare Parts, Pool Products, Water ID and Sunbeach Spas, all making their debut.

## Going Bigger...

The floorplan has been ingeniously restructured to provide more space and allow a greater number of larger stands for companies such as Fairlocks, Superior Spas, Aqua Warehouse, Astral, Villeroy & Boch and Certikin.

## See the latest products and innovations

SPATEX 2019 is upholding its reputation of being the Industry's launch pad with almost half the exhibitors introducing new products.

## Pooling resources

2019 has broken the record for the number of swimming pools on display, with the likes of Niveko, Fairlocks, Lighthouse and Ocea all showcasing beautiful one-piece pools.

## Spa-rring partners...

All looks set for the 'sea of spas,' that was such a feature of SPATEX 2018, to be repeated. Twenty eight associated spa companies, including some of the biggest names such as Superior Spas, Spa Crest, Aqua Warehouse and Aqua Design & Leisure, have signed. "It's very gratifying to see how, each year, the Exhibition is attracting an increasing number of spa companies. Like display pools, we have never had so many," says SPATEX Organiser, Michele Bridle.

## Tap into expertise

Boasting a 23-year heritage, SPATEX 2019 counts the Industry's many esteemed associations amongst its media partners and calls upon their expertise. PWTAG (Pool Water Treatment Advisory Group) will be holding an all-day seminar



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on the Thursday of the Show. An impressive roll call of experts will give the latest water treatment advice that is essential for all designers, suppliers, operators and managers of all types of spas and pools, from the smallest to the largest municipal leisure complex.

The STA (Swimming Teachers' Association) is holding a Pool Plant Conference on the Tuesday in seminar Arena 2 from 10.30am to 12.05. This will include an update on safety training awards, pool plant qualifications, a beginner's guide to building/refurbishing of a pool for swim school business and an update on the legionella risk for wet leisure operators and how to protect against it.

### **NEW ISPE Workshops**

SPATEX is proud to be the Industry's greatest source of FREE knowledge with CPD points and certificates of attendance available to all attendees of the Institute of Swimming Pool Engineers (ISPE) workshops in Arena 1.

There's something for everyone! See the full programme on pages 24/25 of this issue.

### **NEW Mega-Demos show how it's done**

Nothing takes the place of a practical demonstration. Tuesday and Thursday lunchtimes will see the return of the popular ISPE 'Mega-Demo' which will feature various aspects of water testing, allowing delegates to get 'hands-on' with equipment, alongside experts demonstrating the dos and don'ts. In addition, there will be a live demonstration, with commentary, of how to install, service and repair, both filters and pumps for domestic pools on the

Tuesday afternoon.

### **A host of NEW seminar topics**

In addition to the ISPE workshops, in Seminar Arena 2, SPATEX offers a parallel free-to-attend seminar programme on all three days, featuring a diverse range of new topics and including some exhibitor seminars. Take for instance, Wednesday January 30<sup>th</sup> 13:15-13:45 Rob Summerson of FaulknerBrowns Architects who will be discussing the construction of Coventry's new wet leisure complex The Wave.

### **Network with SPATEX**

On Wednesday evening in the Ricoh's Clubhouse bar, the traditional SPATEX party takes on an oriental theme. It starts straight after the exhibition closes at 5pm and all exhibitors and visitors are warmly invited. Get into the fun of it with coolie hats, drinks, canapés and great chat. And if all that's not enough, there's the Ricoh Arena's luxurious G Casino just yards from the exhibition hall.

Register for FREE and view the impressive list of speakers at [www.spatex.co.uk](http://www.spatex.co.uk) showing the dates and times of each talk so you can make a date with your 2019 diary.

**SPATEX 2019, Tuesday January 29th to Thursday January 31st Ericsson Exhibition Hall, Ricoh Arena, Coventry. The Ricoh Arena is easy to get to - just 500 yards off the M6 and within two hours commuting time of 75 per cent of the population, it offers 2,000 free on-site car parking spaces.**

**For further information please contact Michele or Helen  
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# Product Profile from ISPE's 120<sup>th</sup> One-Day Seminar - 22<sup>nd</sup> November 2018

## THE ARDEX GUIDE TO TILING IN SWIMMING POOLS



In November, ARDEX joined ISPE at the Walton Park Hotel in Clevedon for their 120<sup>th</sup> One-Day Seminar, where Shaun Howarth, National Business Development Manager, and Vince Ruffini, Contracts Manager, presented and demonstrated ARDEX's solutions for waterproofing water retaining structures.

In swimming pools, it's not just waterproofing that presents challenges to installers. Ultimately, it is the choice of tiles, combined with the correct suite of preparation products, tile adhesives and grouts, that allows you to not only create an aesthetically pleasing design, but one which is also durable and will withstand the most demanding conditions for years to come.

ARDEX products have been successfully specified in hundreds of swimming pools, from domestic projects to the London Aquatics Centre for the London 2012 Olympic games. In this article, we'll take you through our top tips for tiling in pools, and how you can get a long-lasting, durable finish.

### **Preparation, Preparation, Preparation**

As with any project, preparation is key. The first step in any pool tiling installation is to evaluate the substrate and ensure it is flat enough to receive the tiles. According to British Standards, any deviations should not exceed 3mm when measured under a 2m straight edge. To be confident you're starting with a flat, smooth surface, you should render the walls and screed the base.

This stage will also allow you to create ramps and falls if needed and adjust the inside measurements of the pool to match the exact length and depth required; this is particularly important in competition pools, which must be made within very strict tolerances.

A problem we sometimes see at this stage is that the screed or render hasn't been able to create an adequate bond to the substrate, which is usually caused by poor preparation of the substrate. Make sure you avoid this by using appropriate mechanised surface preparation equipment to remove any loose, friable materials, and ensuring proper application of the screed or render.

Recommended ARDEX products:

- ARDEX AM 100 Rapid Set One Coat Tile Render: apply 2-30mm thick on walls and tile in as little as 2 hours.

- ARDEX A 38 Ultra Rapid Drying Cement for Internal & External Screeds: apply bonded 15-40mm thick on floors and tile in as little as 4 hours.
- ARDEX S 21 Rapid Setting Floor Tile Bedding Mortar: make ramps from 3-30mm thick and tile in as little as 3 hours.
- ARDEX K 301 Self-Smoothing Levelling Compound: apply 2-20mm thick on floors and tile the next day.

### Waterproofing

Swimming pools are required by British Standards to be watertight structures. If not, it is essential that a waterproofing product is used and applied over the entire area and at the correct thickness, otherwise there could be leaks, which are notoriously hard to find after the full installation is complete.

It is also important to use the correct reinforcement tape beforehand, and this should be applied to all the joints between walls and floors, and any inlets to the pool.

Recommended ARDEX products:

- ARDEX S 7 PLUS Flexible Waterproof Coating for Swimming Pools: apply 2 coats and install tiles just 4 hours after the application of the second coat.
- ARDEX WPM 200 Epoxide Liquid Waterproof Membrane: resistant to chemicals and the effects of moving water, and ideal for swimming pool drainage channels, plant rooms and balance tanks that do not require tiling.

### Tile Fixing

You're now ready to fix the tiles, and in the first instance you must select an adhesive that's suitable for use in swimming pools. Products such as ARDEX X 77 MICROTEC Flexible Standard Set Tile Adhesive are not only compatible with these environments, but also provide a number of benefits for the fixer:

- Fibre reinforced for enhanced adhesion and flexibility.
- A 3-hour pot life and 60-minute open time allow more adhesive to be mixed and spread in a single batch, providing greater fixing efficiency over larger areas.
- Up to 19m<sup>2</sup> coverage from a single bag when fixing mosaics.

Once you begin tiling, it is essential that solid bed fixing is achieved and that no voids are left beneath the tiles.

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## What About Tiling to Fibreglass Pool Shells?

Fibreglass (GRP) shells are a particularly common occurrence for swimming pool contractors and is often the tiling background in pools and spas. This presents a challenge for fixers as traditional cement-based adhesives are unable to fix to them. In 2018, ARDEX launched ARDEX X 60 PU FLEX Polyurethane Reaction Resin Tile Adhesive; specifically designed to adhere to problematic substrates, it can be used to fix tiles to fibreglass, steel and PVC direct without priming!

## Tile Grouting

The most common problem we see at this stage is where the incorrect type of grout is selected and inevitably degrades and/or falls out of the joints.

It is important to distinguish between the two main types of grout. Firstly, there are cement based grouts, which can be used in fully submerged areas and where the pool water is balanced. For areas of moving water, around the pool edge for example, or in outdoor or salt water pools, you should always look to use an epoxy/reaction resin grout. These grouts offer excellent chemical resistance and high standards of hygiene and cleanliness but can be difficult to use; opt for ARDEX EG 8 PLUS for the best of both worlds.

Recommended ARDEX products:

- ARDEX-FLEX Flexible Tile Grouts: cementitious grouts with built-in admix that are water repellent, dirt resistant and available in 35 colours.

Select ARDEX-FLEX FS for joint widths up to 4mm wide and ARDEX-FLEX FL for joint widths 3-15mm wide.

- ARDEX EG 8 PLUS Easy Apply & Clean Epoxy Tile Grout: combines the chemical resistance of epoxy grouts with the ease of application of cement-based grouts. Requires no special tools and can be cleaned off the surface up to 60 minutes after application.

ARDEX are a premium supplier of products for the preparation and installation of tiles in swimming pools.

For more information on the full range of ARDEX products suitable for use in and around swimming pools, visit [www.ardex.co.uk](http://www.ardex.co.uk)



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## ISPE Back-to Basics/Revision Seminar

Thursday 28<sup>th</sup> February  
Near Hemel Hempstead, Herts.

**Free to ISPE Students**

Email [ross@ispe.co.uk](mailto:ross@ispe.co.uk) for more  
details or tel. 01603 499959.

# Company Partnership Celebration

**Certikin and Calorex to celebrate 40 years partnership at SPATEX**

**1979.... it is a long time ago now, but it was the year that Certikin set-up a business partnership to become the UK distributor of Calorex swimming pool products, and 40 years later we are still going strong. The names may have changed along the way from Calorex Heat Pumps Ltd to Dantherm Ltd and Peter Geekie Pools to Certikin International Ltd, but we are very proud to still be in the pool business together!**

Certikin and Calorex will be celebrating this milestone on the Tuesday afternoon of SPATEX with an event for clients and customers on our joint stand, C14. There will be more information to follow about this in January through our social media pages and newsletters.

Calorex will be displaying a range of swimming pool heat pumps and AHUs as well as a Dantherm dehumidifier and heat pump at the 2019 show.

Dantherm's latest heat pump, the HPP, will be on our stand and is an ideal product for the domestic pool market. Not only does it contain the latest technology but also represents excellent value for money and is environmentally friendly.

People attending the three-day event that begins on Tuesday 29 January at the Ricoh Arena in Coventry, will get to see this well-designed heat pump, which includes great features such as a reverse cycle defrost and titanium heat exchanger.

Dantherm's stylish CDP dehumidifiers, mainly designed for indoor and therapy pools, are energy-efficient, low sounding units that provide the best in humidity control and are developed with a focus to quality, functionality and energy saving.

The CDP dehumidifiers use

highly efficient fans and compressors, combined with a new advanced remote control and control options, contribute to cost-efficient operation and significant energy savings.

Calorex's modular Variheat will be on display, complete with a PLC control system interface, as well as our AA 500 high capacity ducted dehumidifier and a Pro-Pac heat pump.

The Calorex Delta will also be on the stand, again with the PLC technology. This high performing AHU is suited for large domestic pools and is an ever popular product for hotels and spas, schools, health clubs and leisure centres.

With the joint sales and technical teams offering a combined 150 years of experience, the Certikin and Dantherm Group combination offers unrivalled knowledge and support from initial enquiry through to product specification, installation and follow-up routine servicing.

We would like to take this opportunity to thank all our customers and staff, and here's to another 40 years!



For more information on Dantherm Group's comprehensive range of high performance units, contact us on 01621 856611 or email [sales.uk@dantherm.com](mailto:sales.uk@dantherm.com) or visit [www.danthermgroup.co.uk](http://www.danthermgroup.co.uk)

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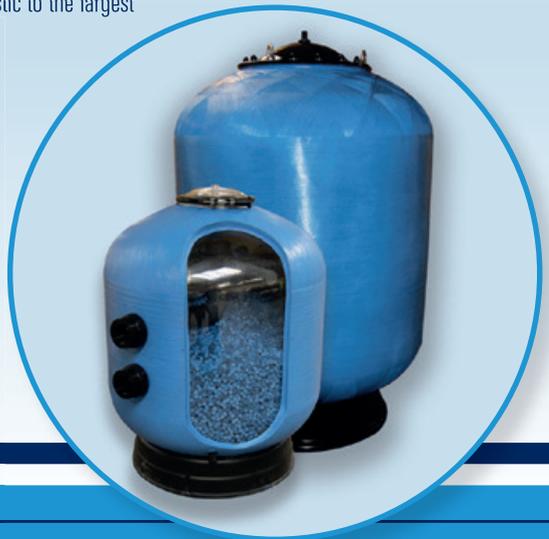


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# Obituary

## A Reflection of John Dawes, Hon.FISPE

I am sad to have to report that ISPE Fellow, John Dawes, passed away in late November after a short stay in the 'Hospice in the Weald' in Tunbridge Wells, Kent.

John had for many years been the Technical Editor for the ISPE and helped produce the series of twenty two ISPE Technical Papers in the 90s, many of which are still available today.



John in 1994.

Over the years John helped hundreds of ISPE members and others with numerous technical queries both in person and over the telephone and really was a mine of information on all areas of the pool and spa industry. It is true to say that the ISPE would not be where it is today had it not been for the enormous amount of time and effort that John devoted to ISPE matters.

In addition, John was an experienced author and had worked for a number of years for Graham Rutherford (ISPE past-President) at Rutherford Pools. He produced a number of books in the 1970s on the subjects of Energy Conservation, amongst others, and wrote 'The Design and Planning of Swimming

Pools', which became the ISPE Handbook in the 1980s. John helped co-ordinate, wrote about and photographed the 1<sup>st</sup> ISPE One-Day Seminar at Rutherford's premises in October 1981.

John was a familiar face on the ISPE stand at the annual SPATEX exhibition for many years in Brighton, and was a regular speaker at both the ISPE Workshops at SPATEX each year and at ISPE Seminars. He contributed countless articles to the ISPE Magazine and gave a huge amount of support and advice to Molly and me by phone and in person.

John was made a Fellow of the ISPE in 1994 and a year later was awarded the 'Selwyn Mindel Award for Performance and Achievement'.



In 1995 receiving the award from ISPE President Malcolm Sharp.

In the 1990s, John collaborated with the ISPE to produce the SPidas (Swimming Pool industry and specifier) series of publications, including an A to Z pool and spa company directory and a pool industry survey, which many members and others found invaluable at the time. The

production of the directory, in particular, along with the ISPE Technical Papers required a number of face-to-face meetings and a glance of the map (John was also a Fellow of the Royal Society of Geographers!) indicated that the most central, convenient place to meet for such meetings and handover of documents, etc., between Haverhill, Suffolk, and Hawkhurst, Kent, was the Thurrock Services on the M25, which were re-named, for our purposes, as the ISPE Branch Office!

In 1999 the ISPE was contacted by the BBC who were making a radio programme looking at the history of the back garden swimming pool and we were delighted when ISPE members Patricia Carr and Ian Betts were called upon to provide anecdotes for the broadcast. In addition, at our suggestion, the producers decided to arrange a meeting with John Dawes who had built his own pool some years previously (the subject of its own book by John's wife, Pam, entitled 'Mrs. D's Pool') and Jim Johnson, as ISPE Past-President, who had 45 years of experience in the swimming pool industry.



Jim Johnson with John Dawes and the BBC interviewer beside John's pool in 1999.

Part of the recording for the programme was done at John's house in Hawkhurst, Kent, where during their interview, Jim and John were asked to demonstrate the fine art of cleaning a pool's bottom. After the broadcast the BBC kindly supplied a cassette recording of the programme which I still have in the office.

John had plans to re-launch his book 'The Design and Planning of Swimming Pools' and in around 2011, produced a series of eight separate booklets which were effectively the original chapters of the book. John invited those in the pool trade to add updates to the already enormous collection of technical material from which he hoped the new updated version would eventually appear. Sadly there was an insufficient response from the trade and John did not find the time to complete on his own, what really would have been a mammoth task.



John inspecting the new D & P booklets with Rosa his dog.

Over the years I got to know John very well and we met up on a few occasions when I was holidaying with my family on the South East Coast. What would be planned as a one hour chat often turned into a

whole afternoon, and time simply flew by as we chatted about so many different subjects.

John had a keen sense of humour and this was reflected in 2015 when then, ISPE President John Cheek asked ISPE members to send pictures of themselves at work, to form part of a photo slide show which would be played at SPATEX and at ISPE Seminars. The first picture that arrived was from John, who always responded to requests for information or pictures.



John the Pool writer at work!

I was delighted to have met up with John in late August 2018, whilst I was staying near Eastbourne for a holiday, and we went out for lunch. Whilst it was obvious that John was not a well chap at this point, we spent a couple of hours reminiscing about various family and other non-pool-related topics.

I know a number of ISPE members would like to join me in sending sincere condolences to Pam, and daughter Joanna, at this sad time, whilst acknowledging the huge legacy that John has left and truly appreciate the enormous contribution John made to the Institute over nearly forty years.

**Ross Alcock - December 2018**

John's family have kindly donated a number of John's older books to ISPE and we will be handing these out (free) on the ISPE stand, A21 at SPATEX 2019. Do come and take a look.

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- 10.00 am Coffee on Arrival
- 10.30 am Welcome - Chris Carr, FISPE
- 10.35 am Filtration - Chris Carr, FISPE
- 11.20 am Questions/Discussion
- 11.30 am Construction - Ian Betts, FISPE
- 12.15 pm Questions/Discussion
- 12.40 pm Light Lunch and Coffee
- 1.20 pm Chemicals and Water Treatment - Colin Day, FISPE
- 2.05 pm Questions/Discussion
- 2.20 pm Heating - John Scott, FISPE
- 3.05 pm Questions and Open Forum
- 3.25 pm Close - Ian Betts, FISPE

***Places MUST be pre-booked.***

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tel. 01603 499959.***

## The 38<sup>th</sup> ISPE AGM

The 38<sup>th</sup> Annual General Meeting of the Institute took place as part of the ISPE's 119<sup>th</sup> One-Day Seminar on Thursday 18<sup>th</sup> October, 2018 at 2.20pm at the Watermill Hotel, near Hemel Hempstead, Hertfordshire.

Newly inaugurated ISPE President and Chairman of the meeting, Colin Day, FISPE, opened the meeting and read a list of apologies for absence.

The first item on the Agenda was: *To receive and consider the Accounts for the year ended 30<sup>th</sup> June, 2018, together with the report of the Directors and Auditors thereon.*

This motion was proposed by John Cheek, FISPE, seconded by Bob Kent, FISPE, and agreed unanimously.

The second item on the Agenda was: *To elect four members to the Council of Management.*

Howard Gosling and Allen Wilson resigned in accordance with Article 47 and, being eligible, offered themselves for re-election in accordance with Article 48. In addition, Colin Jenkinson and Mike Shuff resigned in accordance with

Article 47 and were not seeking re-election.

Nominations to serve on the ISPE Council were received for Graham Kneale, Bob Judd and Jimmy Lamb.

Due to retirements in recent years and in order to bring the Council numbers to their previous level it was proposed as a composite motion to elect Howard Gosling, Allen Wilson, Bob Judd, Graham Kneale and Jimmy Lamb to serve on the Council of Management. This motion was proposed by Ian Betts, FISPE, seconded by John Cheek, FISPE and agreed unanimously.

The third item on the Agenda was: *To appoint Lanham and Company as Auditors to the Company and to authorise the Directors to fix their remuneration.*

This motion was proposed by Phil Barlow, FISPE, seconded by Howard Gosling and agreed unanimously.

This concluded the official business of the AGM and the Chairman thanked everyone for attending and closed the meeting at 2.25p.m.



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## PROGRAMME OF WORKSHOPS AND DEMONSTRATIONS

*Organised by the ISPE on behalf of SPATEX Ltd.*

**ERICSSON EXHIBITION HALL, RICOH ARENA, COVENTRY**

**Tuesday 29<sup>th</sup> January - Thursday 31<sup>st</sup> January 2019**

Ref.	Subject Presentations	Tue. 29 <sup>th</sup> Jan.	Wed. 30 <sup>th</sup> Jan.	Thur. 31 <sup>st</sup> Jan.
1. NEW	<b>HEALTH AND SAFETY UPDATE FOR THE POOL &amp; SPA OPERATOR</b> An annual update on legislation and cases over the past 12 months and details of any forthcoming changes. (20 minute session) Colin Jenkinson, MISPE - Leisure Safety Training	10.00- 10.20		
2. NEW	<b>STABILISED CHLORINE GRANULES</b> What is the future and what are the alternatives? (20 minute session) Jimmy Lamb, TrnISPE(Cert.) - Pollet Pool Group	10.30- 10.50		
3. NEW	<b>HEATING HOT TUBS FASTER – AND REDUCING ENERGY COSTS!</b> How using an external heating source, plus a heat exchanger, can save money and get hot tubs heated significantly quicker. Tony Carter - Bowman (30 minute session)	11.00- 11.30		
4.	<b>HSG282 – THE FACTS</b> What you and your spa customers need to know. Matt Roberts, MISPE – Complete Pool Controls Ltd. (20 minute session)	11.45- 12.05		
5.	<b>TILING IN SWIMMING POOLS</b> Ensuring that the correct waterproofing, adhesive and grout choices are made to ensure a quality long-lasting tiling installation. Shaun Howarth - Ardex (30 minute session)	12.15- 12.45		
6. NEW	<b>MEGA DEMO - WATER TESTING</b> Demonstration of How Not To Do Water Testing – What's going wrong here? Testing Systems – What's available and the pros and cons of each. Let's do some testing – hands-on using the kits. Looking at the unusual, including: Turbidity, Copper and Sulphates, etc. Who's the Champion Tester? Speed and Accuracy Competition. (60 minute session) Colin Day, FISPE and Matthew Smith - Lovibond Tintometer	1.00- 2.00		
7. NEW	<b>SITE LINING – THE FUTURE OF LINER POOLS</b> The financial and practical advantages of site lining over pre-tailored liners for both pool owner and installer. Dan Thatcher, MISPE and Bradley Armstrong – Aquaflex Ltd (20 minute session)	2.30 2-50		
8. NEW	<b>MAINTENANCE PRINCIPLES OF DEHUMIDIFICATION SYSTEMS</b> Learn the fundamentals of swimming pool heating and ventilation and how to install, commission and maintain a specialised system. David Hayles - Heatstar Ltd. (30 minute session)	3.15 3.45		
9. NEW	<b>ALL PUMPED UP</b> A practical demonstration on how best to install, service and repair pumps for domestic pools. (45 minute session) Chris Carr, FISPE - Chris Carr Filtration Services and Phil Barlow, FISPE - Philip Barlow Swimming Pools	4.00 4.45		

Ref.	Subject Presentations	Tue. 29 <sup>th</sup> Jan.	Wed. 30 <sup>th</sup> Jan.	Thur. 31 <sup>st</sup> Jan.
10. <b>NEW</b>	<b>HOW WILL BREXIT AFFECT THE TRANSPORT OF DANGEROUS GOODS REGULATIONS?</b> What you need to know. (20 minute session) Howard Gosling, FISPE		10.15-10.35	
11. <b>NEW</b>	<b>SWIMMING POOL PVC LINERS</b> A professional guide to their correct fitting and care. Will Dando, FISPE - Plastica Ltd. (30 minute session)		10.45-11.15	
12.	<b>HEATING HOT TUBS FASTER – AND REDUCING ENERGY COSTS!</b> (Repeat of session no. 3) Tony Carter - Bowman (30 minute session)		11.30-12.00	
13. <b>NEW</b>	<b>TIPS ON SERVICING &amp; MAINTAINING FILTERS AND PUMPS</b> A PowerPoint presentation considering how to avoid wasting time on site, potential problems when servicing and keeping your customer happy! (30 minute session) Chris Carr, FISPE - Chris Carr Filtration Services		12.15-12.45	
14. <b>NEW</b>	<b>HIGH RATE FILTRATION</b> Is this really suitable for use in swimming pool water treatment? Jimmy Lamb, TnISPE(Cert.) - Pollet Pool Group (20 minute session)		1.15-1.35	
15. <b>NEW</b>	<b>TO DUCT OR NOT TO DUCT</b> A comparison of ducted ventilation systems and wall mounted dehumidifiers. (30 minute session) Graham Kneale, FISPE - Certikin International		2.00-2.30	
16. <b>NEW</b>	<b>DON'T LOSE YOUR BALANCE</b> An overview of balanced water and how it is measured. Colin Day, FISPE - Lovibond Tintometer (20 minute session)		2.45-3.05	
17. <b>NEW</b>	<b>WATERBORNE PROBLEMS CAUSING ILL HEALTH</b> We have all heard the slogan "Kills 99.9% of known germs" but what about the other 0.1%? What are they, what can they do and how can we control them? (30 minute session) Allen Wilson, FISPE - Studies in Work		3.30-4.00	

Ref.	Subject Presentations	Tue. 29 <sup>th</sup> Jan.	Wed. 30 <sup>th</sup> Jan.	Thur. 31 <sup>st</sup> Jan.
18. <b>NEW</b>	<b>HOT TUB MAINTENANCE ADVICE</b> HSG282 Recommendations for maintenance of hot tubs in a "Business Setting". Martin Rigby – Complete Pool Controls Ltd. (20 minute session)			10.15-10.35
19. <b>NEW</b>	<b>PUMP INVERTER TECHNOLOGY</b> Maximising efficiency to save energy & money Will Dando, FISPE - Plastica Ltd. (30 minute session)			11.00-11.30
20. <b>NEW</b>	<b>WHY WE MUST REGULARLY MICROBIOLOGICALLY TEST</b> How do we comply with the legal requirements of HASAW, COSHH and best guidance? What are TVCs, Coliforms and Pseudomonas? A protocol for dealing with these problems. When should we close, and how to prevent bad readings? Allen Wilson, FISPE - Studies in Work (30 minute session)			12.15-12.45
21.	<b>MEGA DEMO - WATER TESTING</b> (Repeat of session no. 6) (60 minute session) Colin Day, FISPE and Matthew Smith - Lovibond Tintometer			1.00-2.00
22. <b>NEW</b>	<b>LEAK DETECTION IN SWIMMING POOLS</b> A look at some of the methods and equipment used (applicable to domestic and commercial pools). Steve Burke, MISPE – Aquaplan Ltd. (30 minute session)			2.15-2.45

All ISPE Workshops at SPATEX are free-to-enter and after the event, delegates will receive a CPD certificate for each Workshop they attend indicating one CPD point.

## Happy New Year for 2019 - Wilson's Words of Wisdom

2018 was a year when I developed a preoccupation over the number of drownings, many involving children, abroad on holiday. Nothing is ever as straightforward as it initially appears. I remember a decade or so ago, or it appears at nearly seventy-five years of age, things that I think of that occurred recently were in fact a long, long time ago. This particular instance involved what was thought to be an eighteen year old's drowning when trying to retrieve a trainer (shoe, not a person!) that was thrown into the pool during a drinking game at 1.40 in the morning. By the time I arrived to carry out an investigation on behalf of the holiday company, things had changed

radically. The eighteen year old had decided against going on holiday and his sixteen year old brother had taken his place and it was him who had unfortunately drowned. This basically invalidated the travel insurance but the holiday company altruistically paid for the sixteen year old's body to be repatriated back to the UK.

The demon drink appears to play a part in these tragic incidents, where due to parents/guardians drinking, they neglect their prime responsibility; the safeguarding of their offspring. I have heard these parents/guardians allege that the lifeguards were talking to members of the opposite sex and not tending the pool as was their responsibility. Although they hold similar qualifications to UK lifeguards whom, as a rule, are generally first class, sometimes abroad, the rotation periods are significantly longer. Where in the UK we would rotate our lifeguarding staff to new positions every twenty minutes, I have been told by lifeguards in other countries that they stay in the same positions for far longer periods, sometimes a couple of hours. This increases their lack of concentration, plus this very concentration is distracted by boisterous behaviour by other pool users. And, they may have only wanted to be lifeguards after watching a couple of episodes of Baywatch and then become magnets for the opposite sex.

I think 'all inclusive' holiday deals must share some of the blame, where an albeit small percentage of

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holidaymakers feel to maximise their holiday value, they need to be drinking or eating all of the time. I asked a guardian following an incident, did the young child have armbands on and was told, **“We bought him a pair, but he would not keep them on”**. The child in question was less than five years old.

I, too, have in the past been guilty of negligent behaviour. I remember when on my ‘walkabout’ year at the age of fifty-three, doing whale impressions whilst floating on my back in an open-air pool in Denpasar in Bali. This was during an impressive lightning storm, but I was convinced that because of the excess of ‘beer armour’ I was wearing, that I was literally bulletproof and nothing could or would happen to me.

Another is the modern mobile phone and it seems that people on holiday abroad are boring others marooned in the UK on a minute-by-minute basis sending pictures and comments, displaying their evocative lifestyle, again distracting them from their primary duty of care to their children. Recently a survey indicated that people were checking their phone every minute; Get a life and save a life!

I know I have said this before but will continue to shout it from the roof tops: **UNTIL THE CHILDREN IN YOUR CARE CAN SWIM AS WELL AS YOU, OR BETTER, ALWAYS ACCOMPANY THEM IN THE WATER.**

Can the holiday companies do more? I know that for many years I carried out pro-active audits and assisted in drawing up suitable measures for said organisations. What could be done to improve this?

More inspections, not by holiday reps but by people who have the necessary skills and experience to recognise hazardous practices that have been allowed to insidiously creep in. Who would recognise this? **YOU!** If you see it, make your holiday rep aware of it. On your return write to the holiday company and ideally use email and request a ‘read’ receipt. This increases the likelihood of you getting your observations read and hopefully actioned.

Sorry to cast a ‘downer’ on your start of the year 2019 but it is far better than not just a holiday being ruined but avoiding a lifetime of pain and regret. If you wish, send your observations, photos etc. good and bad, to me at:

[info@studiesinwork.co.uk](mailto:info@studiesinwork.co.uk)

**Allen J Wilson FISPE, Tech IOSH**

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## The Institute's 50<sup>th</sup> One-Day Seminar

The 50<sup>th</sup> ISPE One-Day Seminar was held in March 1996 and featured a number of presentations on the subject of An Overview of Swimming Pool Water Disinfection.

Graham Rutherford was ISPE President and 96 delegates were present. In the June 1996 ISPE Magazine, Vol. 7 No. 2, Graham reflected on the first ISPE Seminar which he had hosted back in October 1981 and those delegates who had been at the first ISPE Seminar, some fifteen years previously were asked to come forward. The rather grainy black and white photo below is reproduced from that issue. Howard Gosling was also present but was not in the photo for some reason.



From left to right: Gerry Hedges, Molly Alcock, Jim Johnson, John Asher, Andrew Asher, John Alltimes, Peter Lang, Graham Rutherford, David Adams, Bryan Williams, Norman Mindel and Selwyn Mindel.

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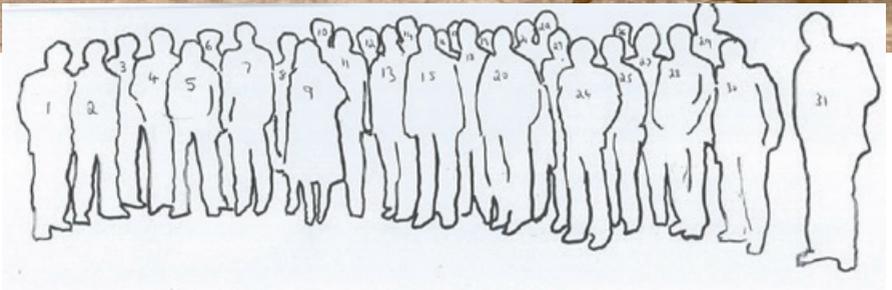
DOMESTIC POOL



HOT TUB

Of all the pictures that have featured in the ISPE Magazine the one that has stirred the most interest is the one of the delegates gathered together in a group photo during the lunch break of the first ISPE Seminar, held at Graham Rutherford's premises in October 1981.

To this day we have not managed to name all those pictured, even though we had a large copy of the photo at SPATEX a few years ago. Also a couple of those known to be present on the day are not in the photo (John Wilkins and Joe Smith, for example). John Dawes took the photo which explained why he was not in it.



1	2 Martin Peters	3 Norman Mindel	4 Gary Crothers	5 Richard Adams	6 Ron Stempfer	7 Eddie Bjarnsson
8 John Beresford Baynes	9 Molly Alcock	10	11 Selwyn Mindel	12 David Adams	13 Gerry Hedges	14
15	16	17	18 Howard Gosling	19	20	21
22 Tony Ellis	23 John Asher	24 Jack Bishop	25 Andrew Asher	26	27 Bryan Williams	28 Peter Lang
29 John Alltimes	30 Graham Rutherford	31 Jim Johnson				

If anyone can fill in any more names, just for a bit of fun, do email [ross@ispe.co.uk](mailto:ross@ispe.co.uk) and let us know.

## ISPE's 119<sup>th</sup> and 120<sup>th</sup> Seminars Report

The 119<sup>th</sup> One-Day Seminar was held back in October, near Hemel Hempstead, Herts.

Jon Maskell, TnISPE(Cert.), and Neil Muscat from Certikin International gave a very informative sponsored, commercial presentation on 'OC-1, the future of swimming pool filtration' looking at how this unique product works and the benefits of using it. A full report will appear in the next ISPE Magazine (early April).

Phil Barlow, FISPE, looked at some of the issues to think about when closing a pool for the winter and Bob Judd, MISPE, talked about Chemical Injection points - the do's and don'ts.

After lunch and the short AGM John Cheek handed the ISPE President's Chain of Office to new ISPE President, Colin Day, FISPE.



Colin is congratulated by John

Ian Betts, FISPE, stepped in, for Chris Carr, who was ill on the day, to give Chris's presentation on pipework sizing and single speed pumps and this was followed by Will Dando, FISPE, who looked at pump inverter technology.

The 120<sup>th</sup> ISPE Seminar took place in Clevedon, North Somerset in November and Phil Barlow stepped in to give Chris's talk on pump servicing and maintenance, following this with an excellent pre-recorded video presentation of his own, filmed on site, on leak detection, which was a most impressive production.

Heath Schofield from IPS Flow Systems Ltd., gave an excellent sponsored, commercial presentation on PVC pipes and fittings (more in the next issue) and Shaun Howarth and Vince Ruffini, from Ardex Ltd. talked about Waterproofing & Water Retaining Structures (a report appears on page 10 of this issue).

Allen Wilson, FISPE, concluded the day looking at servicing and maintenance issues in another inimitable, presentation.

A vertical advertisement for triogen products. The top part shows a child in a swimming pool wearing goggles and a pink swim cap. The text 'triogen® products' is overlaid on the image. Below the image, the text 'Ozone, Ultraviolet & Advanced Oxidation Process' is written in white on a dark background. At the bottom, there are contact details: a phone number '+44 (0)13 55 220 598', an email address 'info@triogen.com', and a website 'www.triogen.com'. The Suez logo is at the very bottom.

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## New Members, Students and Notices

We extend a very warm welcome to all those who have recently joined or rejoined the Institute. If you have a colleague who would like more information on the ISPE and its activities, please email [ross@ispe.co.uk](mailto:ross@ispe.co.uk) or telephone 01603 499959 for more details.

Andrews, T.	XL Pools Ltd.
Berbain, B.	Guncast Swimming Pools
Blazeby, S.	P.P.E. Ltd.
Bolton, D.	D.P. Leisure
Collard, R.	Rio Pools
Cooper, J.	Astral Pool UK
Cordingely, A.	Total Leisure Engineering
Davis, C.G.	Pool Training Services
Duquemin, R.P.	Lotus Pools Ltd.
Excell, J.	DWS Services (South East) Ltd.
Forbes, S.	Signature Pools and Leisure
Griffiths, K.	Design By Katja
Harrison, J.	H2O Swimming Pools Ltd.
Hollington, C.	D.P. Leisure
Keeling, J.	Plastica Ltd.
Keir, C.	Innova Care Concepts
Lawlor, R.	RLL Engineering Ltd.
Lipnicki, R.	Studio Lipnicki
May, A.L.	Arcus Products Ltd.
McGarry, K.	Guncast Swimming Pools
Morgan, L.J.	Home Counties Pools and Hot Tubs
Oliver, B.	Innova Care Concepts
Pinion, D.	DWS Services (South East) Ltd.
Prasanna, A.V.	Ameya Resources
Rafferty, M.	Alan Bettin Swimming Pools Ltd.
Rourke, C.	Mermaid Leisure Ltd.
Russell, J.	Mermaid Leisure Ltd.
Seddon, D.	Essex
Weitzel, P.	D.P. Leisure

### Situations Vacant

No space in this issue but see the ISPE website ([www.ispe.co.uk](http://www.ispe.co.uk)) under Situations Vacant for the latest jobs on offer.

### Next Issue

The next ISPE Magazine will be out in early April. Please send copy by Friday 8<sup>th</sup> March.

### ISPE Logo

We must remind ISPE members that the ISPE logo **may not** be used anywhere, including: websites, adverts, and on vehicles. Members may use their designated letters after their names, but please ask if you need any advice on this issue and kindly remove the ISPE logo if you are already displaying it.

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