

The magazine of the
Institute of Sound and
Communications Engineers

September 2014

ISCE



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Networking Dinner

Tue 3 March 2015 · 7pm

ISCE will be hosting a networking dinner in the elegant dining suite of Coombe Abbey on the eve of the exhibition.

Why not book a table and invite your customers along. Guests can enjoy a fine-dining experience and mingle with the good company of industry friends and colleagues, as well as being introduced to some new business contacts. Pre-dinner drinks from 7pm.



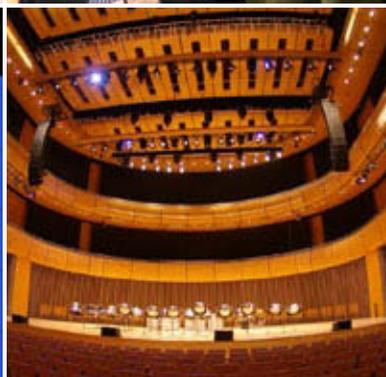
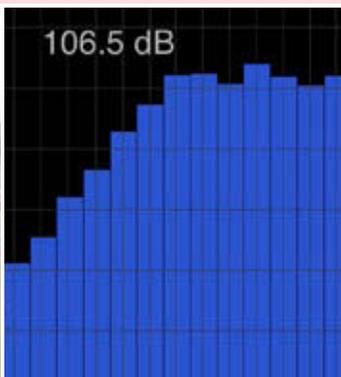
Exhibition and Seminar Day

Wed 4 March 2015 · 9.30am–4.30pm

Mix with the best in the business

At the most relevant event in the sound industry calendar, you will meet the people that matter most to your business, with informative seminars led by industry experts, running alongside the exhibition.

Free entrance to the exhibition and seminars.



ISCE

The Institute of Sound and Communications Engineers



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Join us at ISCEEx2015

Introduction from our President

Anthony Smith *MInstSCE*



Welcome to the September edition of the ISCE magazine. It seemed like only last week I was wishing you all happy holidays following the Firex show, and here we are on the verge of Autumn.

The middle of the magazine is dedicated to the Immediate Past President of the ISCE, Terry Baldwin and the news that he has stepped down from the company he founded, to enjoy retirement and more time with the Grandchildren; however something tells me (as others also suspect) we shall be seeing him at exhibitions regaling us with tales and drinking ales.

Terry is still on the ISCE committee as Immediate Past President until 2016, so he hasn't slipped all the bonds yet!

In this edition, I am particularly pleased with the showcases highlighting what our members and supporting members are up to, demonstrating the breadth of supply and interest they have and I invite any others to tell us about your projects.

The next big ISCE event is ISCEx on 3 and 4 March, but before that there are the Security Essen show, Intersec Dubai and ISE in Amsterdam; hopefully I will see some of you at these events, before the big one.

Until next time.

Anthony Smith ♦

We welcome your contributions to the magazine with editorial and advertising. Please send news or articles to Ros

Forthcoming events diary

23–26 September 2014
Security Essen
Germany

5–8 October 2014
PLASA
ExCel, London, UK

14–15 October 2014
Institute of Acoustics
Reproduced Sound 2014
NEC Birmingham

4 November 2014
Design and Installation of
induction loop systems
ISCE Training Course –
Coventry, UK

5 November 2014
Measurement and
Certification of
induction loop systems
ISCE Training Course –
Coventry, UK

18–20 January 2015
Intersec
Dubai

10–12 February 2015
Integrated Systems
Europe 2015
RAI, Amsterdam, Netherlands

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Comments on articles and letters are invited.

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Fischer fibre connectors exclusive to Canford



Canford are pleased to announce that they have been chosen as sole UK broadcast distributors of the new Fischer FiberOptic Series, a high performance product of Fischer Connectors.

Fischer Connectors' premium fibre solutions offer best in class optical performance and reliability needed for a stable optical link, combined with easy mating and easy field cleaning. They will perform perfectly in harsh environments and have a high ingress protection (IP68) when mated and IP67 in unmated conditions. This rugged push-pull connector is suitable for both indoor and outdoor applications and comes pre-cabled for maximum performance and time saving.

The sealed connectors IP68 rating is tested at a depth of 2 meters for 24 hours (IEC 60529) and has an operating temperature range of -40°C to +85°C (depending on fibre-optic cable). Each durable connector can withstand up to 1,000 mating cycles and offers excellent optical performance thanks to its premium butt-joint contact technology.

One of the main difficulties when using fibre connectors is that dust and dirt can get in to the connector and cause serious issues blocking or disrupting light signals. Cleaning of these dirty connectors can sometimes be time consuming and often requires expensive tools. With the Fischer FiberOptic Series this is not the case. When a connector or cable gets submerged in mud, water or dropped on to dirty dusty ground, it can immediately and easily be cleaned in the field and will be back in service in minutes if not quicker without the need of

sending the assemblies back to the factory. This is thanks to a removable mono-block mate adapter allowing easy access to the termini and to the IP67 ability which prevents dirt penetrating inside the connectors. The Fischer FiberOptic Series can therefore easily be cleaned under water or in an ultrasound bath.

These pre-cabled connectors are available from Canford in a variety of panel receptacles and patch cords in lengths of 5m – 500m. Chassis connectors or panel connectors are supplied pre-terminated. Acting as a breakout, they are supplied with tails terminated with either LC, SC connectors, or tails with bare ends, for user-termination.

The Fischer FiberOptic Series connectors are offered in either two-fibre (FO2) or four-fibre (FO4) versions, suitable for point-to-point audio, data or camera-connection use, in environments such as studio floors, touring, rental and outside broadcasts. The IP68 rated connectors retain the familiar push-pull connection system found on the Fischer 1051 Triax HD Pro+™ product range, also available from Canford.

Fischer Connectors also offers complete cleaning kits adapted to its field cleaning methods.

For those with existing fibre cabling, Canford can offer a rugged break out box that can be configured to allow LC, ST or other connectors to be mated with the Fischer FiberOptic Series. Breakout boxes for splitting a FO4 fibre connector into two FO2 connections are also available.

For more information visit www.canford.co.uk ♦



A family day out to the Science Museum

Phil Brown *MInstSCE*

Apple Sound Ltd

After receiving an email from Ros about a new exhibit at the Science Museum, I was keen to see the full-size reconstruction of the 27 foot long 'Denman horn' – an innovative art installation in the Virgin Media Studio.

Having mentioned the 'big horn exhibit' at home on more than one occasion, and then, encouraged by my two daughters, we decided to go along on the day of the arranged seminars. So, on 12 July, we set off for a family day out to the Science Museum in London.

Tickets to the seminars were free, but 'sold out'. By chance, there was one ticket handed in to reception on the day, so, only I could attend the lectures – much to my daughters' relief.

The seminar presenters were amplified via the horn itself. Sound quality was impressive, easily the best I have heard from a single 'full range' compression driver.

As you can imagine, there were some reflections from the walls of the room and I suspect these reflections gave rise to the comments I heard on BBC TV's news coverage on the first day of this display; visitors interviewed eluded to the 'surround sound' effect, clearly not intended, but understandable in the confines of a room.

The lecturers were:

John Liffen, Curator of Communications, who talked on Roderick Denman, the Science Museum's former Curator of Electronic Communications and creator of the original exponential horn.

Geoffrey L. Wilson, Professor of Acoustics at Pennsylvania State University who spoke about his father, Percy Wilson's pioneering work in the development of exponential horns and association with Roderick Denman.

Aleks Kolkowski, the curator of 'The Exponential Horn' who spoke about the accidental destruction of the original horn in a building construction accident, and the work involved in the replica horn's construction.

The audio researcher and electrical engineer

Bjørn Kolbrek, who gave a talk about how horn



loudspeakers work and the western electric driver and horn systems that inspired Denman.

Dan Wilson, musician, instrument-builder and researcher who spoke about the 'Don't Oscillate' campaign, radio and interference during the 1930s.

And finally, radio historian, broadcaster, writer and poet, **Seán Street**, who spoke about the struggle between public service (BBC) broadcasting and commercial interests during the 1930s.

According to Aleks Kilkowski, 'The amplifier used for the demonstration was custom built by Adrian Tuddenham to match the museum's Western Electric 555W driver unit and incorporated various safety features to protect the driver: three protection circuits (low, mid & high) that would temporarily switch off the signal if it reached very high saturation in any of those ranges; voltage drop detector; thermal cut-out and more besides all in a compact little box. A multi-stage high-pass filter, again built by Adrian, was set at 50Hz. The horn was capable of reproducing down to 35Hz, but we needed to be sure to protect the driver unit. The amplifier was a transistor type and we hope, in the future, to make a valve amplifier, closely modelled on Denman's original design, should we be able to show the horn again and raise the funds.'

It was a great exhibition, with fascinating lectures and I thank the ISCE for bringing it to my attention. ♦

Speaking wirelessly

In the first instalment of this mini-series, Jason Williams *MInstSCE* provides the facts about using wireless technology in the conference room, discusses the advantages and disadvantages of different technologies, and gives some useful tips and advice on about how to get the best from your wireless discussion system.



Why use wireless?

Simple to use and effective wireless audio technology has now come to the conference room. Companies can now enrich the meeting experience of delegates with the use of cutting-edge technology and a little technical know-how, thus improving communications and boosting efficiency.

Generally, to overcome the challenges of poor acoustics in a meeting room such as background noise and reflections making it harder for people to hear, we would chose to install some kind of conference audio system. This normally consists of a number of delegate units connected together by cables in a daisy-chain fashion with a microphone and speaker integrated into the same unit.

In contrast to wired discussion systems, a wireless discussion system can be installed, configured, and operated with no unsightly cables or holes to drill. Set up time is quick and easy and the technology is discreet enough to allow delegates to focus on their discussion and forget about the technology that's supporting it.

Flexibility is key in a meeting, and a conference room is a reactive environment where anything can and will happen.

Below are just a few reasons why wireless has a clear advantage:

- Delegate microphones available to add if an extra colleague decides to join the meeting.
- Table layout can be changed quickly as there are no cables to disconnect and re-connect.
- Spare microphones are available to use in an instant should something go wrong.
- Same equipment can be split across multiple rooms for break-out sessions and smaller meetings.
- Majority of equipment can be securely stored away after the meeting.

There are challenges though, including distance limitations, battery life, frequency congestion and security concerns over who might be listening to you or intercepting your data but all of these limitations are now starting to be resolved with the current generation of wireless discussion systems.

Emerging solutions are continuing to improve the available options so that wireless has become a must for most meeting room situations.

Over the next few issues of the magazine we will start to look at some of these solutions. I will try to explain very simply how they work and give you some pointers to consider when selecting a system to meet your particular requirements. ♦



Wembley upgrades their executive boxes with iKON AVS solutions

When the new Wembley stadium was built, each of its 196 executive boxes was fitted with a plasma screen TV and cable receiver and rather than use separate IR handsets a custom handset was used branded Wembley. seven years on and all the original handsets have 'walked', the receivers have been replaced by a Cisco Stadium Vision system and the TVs with LED models but the old cable box remains for power control. Also, to become more energy efficient the rooms now need both local and central power management as sets are often left on when the boxes are vacated.

It is at this point when Nebula Audio became involved. The brief was to provide a simple to use wall panel that would not only provide in room control of the TVs but also interface with the Stadium Vision boxes for channel selection and the user guide. An additional requirement was the selection of PC and HDMI inputs to the TV to enable the use of the boxes for meetings with PC based presentations. All this is in addition to central control but not via Ethernet as there are insufficient spare ports available.

The solution proved to be the Synergy 2080 panel from iKON AVS. As a British manufacturer iKON where able to supply the quantity, complete with a

custom stainless steel panel and updated firmware to change the programming port into a full second serial port all within the four-week timescale. They where also able to provide custom breakout boxes for mounting in the false ceiling to incorporate a system PSU, power relays for the TV and convenient RS232 and IR loop off points.

In addition to the eight front panel push buttons, two virtual buttons accessed remotely via the Stadium Vision box provide remote power management allowing all 196 rooms to be remotely activated and shutdown. For some of the larger rooms where corporate sponsors require additional control for Video Conference and additional AV players, the rooms have been fitted with an additional Axiom R4D interface, also by iKON AVS, that allow Apple and Android tablets and smartphones to be used, via a downloaded app, for more completed control.

The remote power control has since been expanded, via another custom interface, to control power to the additional 900 TVs located around the stadium public areas.

www.nebulaaudio.co.uk

www.ikonavs.com/synergy.html

www.ikonavs.com/Axiom.html ♦





Sage Gateshead installs RCF line array in main hall

No building better represents the regeneration of the River Tyne's south bank, up in the north-east of England, than the Sage Gateshead — an iconic multi-arts monument which originally cost £70m to construct, and which this year celebrates its tenth year.

Offering spectacular views over the Millennium Bridge and BALTIC Centre for Contemporary Art, one of the ways Sage Gateshead has marked its landmark birthday is by upgrading the sound reinforcement in its 1700-capacity main hall (Hall One) with the installation of an RCF HDL 20-A line array by local contractors and long time RCF rental partner, Nitelites.

The move follows a period of careful evaluation by the facility's Head of Technical Operations, Chris Durant and his team, during the many occasions the HDL20-A has been flown on a temporary basis to support the house system.

Home to Royal Northern Sinfonia, and host to a vast concert agenda that includes jazz, folk, country and rock — supported by a burgeoning educational programme — the original beam steering system had rarely kept pace with the Sage's promotional ambitions.

Durant confesses that despite its steerable qualities, the system didn't have sufficient dynamic range and he frequently found himself hiring in from Nitelites, with whom he has enjoyed a long term relationship. "They are a natural choice for us and carry a similar work ethic," he says. "In the last couple of years since they started working with RCF we have increasingly rented TT+ and HDL rigs as they are extremely cost effective."

In fact Nitelites had been one of two companies to invest in HDL20-A at its launch at Frankfurt Prolight+Sound in 2012 — deploying it immediately on the Great North Run and later installing their first system at Newcastle College Performance Academy. Says director, Andy Magee: "It is so easy to deploy, quick to rig and fast to wire. With HDL we were confident we could get coverage around the building, whether for speech or classical."

It was his colleague, Nitelites' MD, Jamie Moore, who had proposed a flown HDL 20-A be installed at Sage Gateshead on a permanent basis — largely to save the facility hire costs. Andy Magee then suggested that the system could be purpose tuned and optimised via a series of preset scenes locked into

three dbx DriveRack 4800 processors, and accessed via a custom panel. With the two men's knowledge of the venue's complicated roof system (coupled with their own rigging department) they knew they could optimise the hangs.

Nitelites detailed 12 HDL20-A enclosures for each flank, rigged on a flying frame which will take up to 16 elements; the system will retract into the roof when not in use.

The rest of the complement comprises three HDL 20-A a side as portable ground stack on custom dollies, atop a SUB 8004 (single 18in with 4in voice coil), and a separate stack of three SUB 8006s (twin 18in with 4in voice coils) in a reverse cardioid pattern (one rear facing) to uniformly reduce the back projected sound, with an HDL 10-A on top. Two HDL 10-As are also used for under-balcony infill and four as front lip fills. On the sides of the main hang, and used for outfills, are four discreet RCF TT08s.

"Nitelites' business proposal was a no brainer," takes up Durant, "and the system is now available to every gig. We are making engineers aware that they can leave their kit on the truck, or just bring in a floor package and control."

He believes that Nitelites' attention to detail in tuning the system has enabled them to get an additional

30% from the system. "We've had pretty much every big system in here and our new in-house RCF house rigs sounds better because a temporary system has to be set up so quickly. It may be an 'off-the-peg' suit but not a 'made to measure' Italian suit! The HDL20-A has been designed specifically for the room, and it's been tuned to within an inch of its life."

Durant adds, "The great thing about the HDL 20-A is that it goes down to 55Hz so for jazz and classical there are no subs at all. In fact the first time I heard it I thought our subs had been switched in by mistake. Our old system had left a big hole in the vocal range with all the sub downstairs and nothing in the middle."

In fact the HDL 20-A features state of the art RCF transducers, two powerful 10" for that bass repro and a large format 3" voice coil compression driver, with 1400 Watt Peak Power 2 way digital amplifier and DSP helping to deliver that powerful dynamic.

The DSP

But the magic is clearly in the processing. Chris Durant presented Nitelites with a matrix containing different required gain structure presets, for example taking into account Classical (with no PA); Single vocal mic; Conferences; Light acoustic music; and what he describes as "UB40 and everything in between." ▶



According to Andy Magee, the dbx solution was chosen because of its ability to create custom user interfaces and also because of its diversity and modularity.

Via the DSP, Sage Gateshead can now turn the 12 zones into which the ground floor and two balcony tiers are divided, on and off in the PA at will. "It's far more efficient than changing the angles of the boxes every time we needed a new configuration," Durant says. "We will not let engineers tweak it because of the subtleties in these filters."

For example, if a balcony is closed or a tour carries its own ground stacks, the appropriate preset can be selected from a computer which will mute the required zones. "We performed extensive analysis of the room and PA system then carefully applied filters to each preset, so regardless of the scenario, you would always have the same frequency response in each zone," explains Magee.

In addition to providing access to a broad range of presets, additional buttons permit delay times / output attenuation to be changed depending on system configuration. "So the operator can configure the entire DSP platform, for exactly what volume level and coverage pattern the venue requires, taking into account physical changes in the PA system — with less than two clicks and inside 20 seconds. It's idiot proof," he says.

Taking up the story, Chris Durant adds, "We have run new audio cabling and so have a clean audio path up to the ceiling and miss the two patch bays. One of the most challenging tests is when [conductor] John Wilson performs, using a single mic to feed into orchestral sound."

At the same time he has immediately been able to see other advantages of HDL 20-A. "It's easy to groundstack and the position of the fly frame is mirrored on the subs so it's easy to interlock; it's convection cooled so there is no buzzing — which is vital in a critical room where a low noise floor is required. It's also very efficient energy wise, and we don't need to run extra power in."

For RCF, and their Northern sales manager Mick Butler, who helped broker the deal, the system's exposure to visiting sound engineers will be invaluable. "It really brings into focus the power of RCF's pro touring range."

As a result, the relationship between Sage Gateshead and RCF has since been extended since they took over the running of the nearby 350-capacity Gateshead Old Town Hall from the Council six months ago and have revived up the promotional activity there.

Replacing the old equipment is a simple RCF NXL 24-A active column speaker each side of the stage, on top of a SUB 8004, while five NX12-SMA active floor monitors are provided for reference sound.

NXL 24-A contains four 6" high power woofers and a 2.5" voice coil compression driver, with 1400W amplifier — all controlled by integral DSP. The dynamics far exceed the visual footprint.

However, this time the loudspeaker needed to earn the right via a competitive tender against two other brands. How did it meet the criteria? Chris Durant: "We started to programme more gigs and needed to specify a system that was musical and would handle folk and Americana as well as being used for community activity — and the Gateshead Family Church. This is a very discreet 'stick' system and of course it offers easy interchangeability with the Sage should we decide to stage performances in the foyer, for example."

All of which should future-proof performance requirements for the foreseeable future. "I believe what we are doing now, at both venues, is fantastic," concludes the delighted technical manager.

www.rcfaudio.co.uk ♦



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4 November 2014

Coombe Abbey Hotel,
Warwickshire

Non-member £195

Member £175

**Three or more persons
from the same company:
10% off each individual fee**

All fees exclude VAT

Design and installation of induction loop systems (AFILS)

Presenter:

Doug Edworthy HonFInstSCE

**Learn the best way to
design and install a correctly
working AFILS, ensuring
compliance with appropriate
Standards and Regulatory
requirements (including
BS7594, Equality Act,
IEC/EN60118-4)**

**Includes
new
material**



Whilst induction loop systems are now mandatory for many premises, a large proportion are badly designed, poorly installed, and rarely maintained.

By attending this course you can learn the correct way to design and install AFILS, and importantly, be aware of the many potential pitfalls and how to avoid them. All candidates will receive a certificate upon completion. Candidates who pass the course and are members of the ISCE, will meet the criteria to join the ISCE Approved Hearing Loop Assessment Scheme.

Vaughan Sound delivers AV solutions for brand new Life Sciences Hub Wales



Vaughan Sound was appointed as the specialist AV subcontractor for the large-scale fit-out project -

Vaughan Sound has completed an impressive, large-scale audio-visual integration project for the Life Sciences Hub Wales in Cardiff Bay.

The client required a substantial array of specialist future-proof technology, with the Welsh Government supporting the fit-out as well as the rental cost for the first five years as part of its £100 million Life Sciences Investment Fund. Occupying an entire 12,000 sq. ft. floor, state-of-the-art solutions were needed across areas including a presentation space, boardroom, four meeting rooms, CEO office, and multimedia pod.

Integral to the fit-out works, Vaughan Sound was tasked with specifying and installing a range of audio, display, projection, centralised video recording, live streaming and video conferencing systems, along with all dedicated cabling and infrastructure, to deliver a full turnkey solution.

Bosch HD cameras, Crestron control systems, EVOKO Room Manager systems, Phillips desktop

monitors, Polycom HDX7000 video conference units, a Samsung SUR40" multi touch display, Sharp LCD TVs, Trantec radio microphones, and Yamaha mixers and audio amplifiers, were just some of the products integrated into this first class business space.

Vaughan Sound was appointed by Paramount Interiors, following two previous successful collaboration projects at 3 Assembly Square for KPMG and ITV Cymru Wales respectively. This latest scheme completes a trio of projects at the grade A waterfront office space, as the company – which is celebrating 50 years in the AV industry this year – adds to its impressive public sector portfolio.

The venue was officially opened on 17 July by Economy Minister Edwina Hart, life sciences entrepreneur and investor Sir Chris Evans, and Dragons' Den star Theo Paphitis. It is hoped that it will become a central pillar in the vision to create a thriving Life Sciences eco-system in Wales – bringing activity, knowledge, people and policy together.

www.vaughansound.co.uk ♦

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5 November 2014

Coombe Abbey Hotel,
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Non-member £195

Member £175

**Three or more persons
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10% off each individual fee**

All fees exclude VAT

Measurement and certification of induction loop systems (AFILS) and the implications of IEC/EN 60118-4:2006

Presenter:

Doug Edworthy HonFInstSCE

**Learn the latest and correct
techniques for measuring
AFILS, how to meet the
requirements of IEC/EN
60118-4, and gain a good
understanding of *what*
we should be measuring,
where to measure and *why***

**Includes
new
material**



With a major revision to IEC/EN 60118-4 which includes significant changes to the measurement criteria for AFILS, this course will provide you with essential theoretical understanding of the important measurement issues, together with an afternoon, hands-on, practical session to try out your measurement techniques. All candidates will receive a certificate upon completion. Candidates who pass the course and are members of the ISCE, will meet the criteria to join the ISCE Approved Hearing Loop Assessment Scheme.

Baldwin Boxall's founder retires from work, but never from life...



'It's all about voice alarm my son'

Halfway through a recent Baldwin Boxall board meeting Terry hit us all with a mammoth hammer blow, he turned to his fellow Directors, looked me in the eye and stated that as of 1st September he will be officially retiring from the company. Our jaws dropped in utter surprise, I turned to face Neil Jarvis and handed him a tenner as I had made a bet with him many moons ago that Terry will never retire. How wrong I was!

So where to start, maybe a few fine words about his personality:

Hilarious – how many of us have witnessed the trousers being dropped when he enters a bar or the plastic vomit that was strategically placed in a restaurant for a waitress to see. How on earth did he get served?

Charming – he is certainly one of life's true gentlemen.

Coherent – okay, so maybe not after a night out with Paul Patterson, Derek McGlynn and Jim Hooks.

Entertaining – always at the centre of a night out.

Generous – to all staff at BB and anyone that knows him.

Happy – never a bad word (unless you are his son!)

Vivacious – always the last to leave the bar...

The list could go on and on, but I am sure you get the message.

Back in 1982 he and Dave Boxall took the brave decision to move away from their careers at Millbank and start Baldwin Boxall. Cash was hard to start with so Dave set up in his shed with Terry taking over the dining room table at his own home. To save on a phone bill Dave implemented a cunning plan and linked a telephone line from the shed to the dining room (free calls), a fine electronic achievement especially as they were three miles apart as the crow flies...

Soon the orders were coming in and one of their first contracts was not to sell a high quality PA system but a traffic light system for a London car park, as Dave says "We had kids and mortgages to pay..."

Then it was time to move into their first property – Doubleby House – as it was named. This was a near derelict railway cottage in Crowborough, given a new life by simply spraying the walls white - including covering any spiders that were crawling up the walls – "fine art" as Terry called it! With the newly painted larger premises came the prestigious orders, but not yet PA. Terry went off to a high powered meeting with Hilton Hotels thinking a PA order was in the bag, but how wrong he was. Instead, a week later, a crate turned up with over 300 'in room' mini bars to

Off to the Isle of Wight for Cowes Week Regatta

Baldwin Boxall hired a crew, a Sigma 35 sailing craft and invited 8–10 customers/friends to join them in an exhilarating sail to Cowes harbour, on arrival a lovely meal was provided along with chilled wine in highly polished chrome Mumm ice buckets.

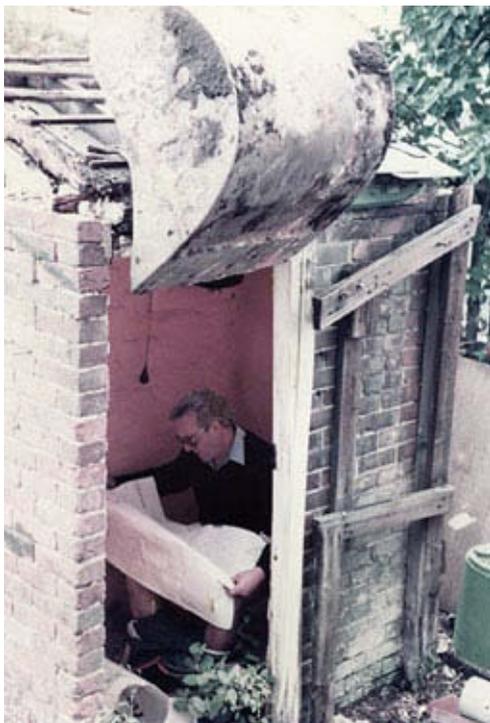
Getting back on board it became apparent (no names mentioned) that one of the ice buckets had found its way on board. Just as the ferry from Portsmouth was arriving, Terry picked up the bucket as if it was a trophy and shouted "we have won". Crowds on the ferry started waving and congratulating us on our triumph.

Never a dull moment!

Kevin Tester
Penton

renovate and fit a device that allowed housekeeping to see if the fridge door had been opened - gone were the days of having a freebie in a hotel room. Another month's mortgage sorted!

But with Dave's technical ability and Tel's gift of the gab, PA work came in and the company grew so it was soon time to move again – especially as Terry blocked the loo!



'I think I have blocked the loo...'

Following Terry and Dave's lead, the company continues to grow and now has a staff of 50. Through Terry's guidance and determination (and Dave's amazing technical abilities) – Baldwin Boxall is highly respected within the industry with its prowess for quality and service. An ethos that Terry will leave with the younger Directors to follow through the future.

He has certainly been at the forefront of the industry, including being the President of the ISCE for a number of years - a post that he loved. Did he, though, keep to his word that he would visit each supporting member? I do hope so as he was rarely in the office, so I guess he was either in a pub or bonding with ISCE members, maybe in a pub(?) ... now there's a thing...

Terry is supposedly taking it easy these days, well, no, not really as he is extremely active in the City of London by being a Freeman with the Worshipful Company of Firefighters - where I do hope he will continue to be a fantastic ambassador for Baldwin Boxall. His charitable work also continues with The Tower Ward Club. Note to myself – an OBE must be in the bag?

One of Dave and Terry's first employees – Neil Jarvis – (now our Sales Director) felt privileged to write about Terry "Working with Terry all these years has been eventful to say the least. In the early days of BBC, frequent visits to local Public Houses to discuss strategy were the order of the day. We all extended our waistlines somewhat – especially when the real ale was flowing. Often I would say "I'll make this the last one Terry", only to return to the bar to find a full pint waiting (never a half!). One summer at a local pub, which had an outside loo, Terry had noticed blackberries growing over the urinals Terry picked a few, that was lunch that day.

"We were all on first name terms with the local railway station master, Steve, including Terry who had been tipped off by Steve that the Orient Express Pullman Steam Train was coming to Crowborough the next day. Terry summoned all staff on the day on to the footbridge to receive the train, this we duly did, followed by copious amounts of beer at the local, a great day indeed.



Terry being a fine Hospitality Director as the Tour de France goes though Sussex

"He then raised his game and hired a bus to watch the Tour de France near his hometown of Fletching ▶

together with a Jazz band. Again a great day for staff and customers alike, certain people still talk about it to this day.



We all remember Terry's chicken trick

"Terry loved to play the 'chicken' and 'the apple into a peach' joke on unsuspecting clients and locals alike, especially if he could command an audience. Many ladies who witnessed the apple/peach joke were often left wondering what was going on! A great laugh often ensued which gave Terry a great sense of satisfaction.

"He is without doubt one of the trail blazers of the industry and has given a lot of people a lot of fun over the years as well as setting up Baldwin Boxall with Dave and running that successfully for over 30 years.

"Good on yer Telboy!"

For those of you that know Terry as well as I do, will agree that he will never fully retire. I have put another tenner on the line that he will be seen propping up the Plug and Socket bar, but on the other side of the bar with you guys. If you do see him let me know and I will claim back that tenner from Neil!

What can I say?

I have known Terry for quite a few years, well back to his Millbank days to be exact and that wasn't yesterday, in a way I'm both sorry and happy he has decided to retire, happy because he deserves it and sorry because I will miss my old drinking partner, also the times when we would sneak off for an extended lunch at shows etc, I remember some years back, Terry, Neil Jarvis & myself went on a pub crawl from Belfast to Bushmills along the north coast and back, we stopped in every town and village along the way and availed ourselves of a large glass of hospitality, so I'm sure you can imagine what it was like by the time we arrived at Bushmills distillery around 5pm, we where just in time to sample a large 12 year old malt quickly followed by a large 16 year old malt before the place shut, (I can taste it now Tel boy) by this time it was about 6pm so we set sail in our chauffeur driven limo for Belfast, we had one more stop about half way home and of course one more for the road, on our arrival back in Belfast nothing would do, (Terry said) other than to have a pint of the black stuff in the Crown bar, this was ok as the boys where staying across the road in the Europa hotel, but I'm sure you can understand by now we needed another drink like a hole in the head, we then met some Italian people in one of the snugs and the craic was mighty, not very long after I knew it was Terry's bedtime when the Italian people thought he was speaking Italian.

What a day.

Well old boy I just have to say you have always been an inspiration to me, and always will be.

I hope to get to see you before you retire and we can have one more for the ditch, you know what mine is! And plenty of ice, and of course I'll leave the size of it up to yourself.

Your old buddy

Jim Hooks

DJ Kilpatrick & Co

He will be missed by all at Baldwin Boxall and I am sure you will join me in wishing him a fine, wine filled, retirement. ♦



Plug and Socket sharing a beer with friends



The end to yet another fine Baldwin Boxall outing

*Here's to you Tel...
a great bloke and an even better Dad!*

The inventor of power napping

I first encountered Terry at a PLASA show, probably 1994. We were all staying at the Gloucester Hotel, a salubrious establishment in Kensington and, as was expected post show, had all gathered in the bar.

I'd heard of Terry Baldwin, of course. "Terry 'll be along in a minute" they'd say "wait 'til Terry gets here" was the refrain "things will liven up then"

So I was just a little surprised when a twinkly eyed, rather well spoken gentlemen approached me and introduced himself "Hello" he beamed "I'm Terry Baldwin, mind if I sit next to you".

I was a little more surprised when he immediately began to unlace and remove his shoes "just need a zizz for twenty minutes" he explained and without

further ado put his feet up on the settee we were sharing, rested his head on the cushion between us and went out like a light.

True to his word, exactly on twenty minutes Terry sat up, re-laced his shoes and asked if I'd have a drink with him at the bar.

The rest of the night lived up to expectations, not least ballroom dancing with some members of an Arabic royal family and an appalling duet on the Hotel grand piano which resulted in a £100 re-tuning bill.

Sometime during the night the thought occurred to me, 'I really like this Terry Baldwin'.

Twenty years on, that thought remains.

Keith Golds

DNH Worldwide

Vietnam project underway



By their very nature gymnasiums tend to be highly reverberant areas and the facility at UNIS in Hanoi is no exception.

When considering greater utilisation of the space and transforming it into a multifunction venue UNIS turned to AMS for an optimised design solution. In addition to its daily routine the faculty management considered that the site would be ideal as the centre for two major annual events. Namely - United Nations day and Graduation day.

Whilst the objective was clear the means to achieve a balance between the sports environment and an auditorium presented a number of challenges. Equally important was the need to harmonise the acoustical space such that each of the 500 attendees could listen attentively and comfortably enjoy notable gatherings.

Another significant factor is that the international stature of UNIS ensures the presence of multilingual audiences which places even greater emphasis upon

the attainment of superlative speech intelligibility. An essential part of the process was the collection of raw data that enabled AMS to formulate the level of sound absorption required. This determined the platform upon which to build an integrated electro-acoustic system. AMS engineers opted for an imbedded intelligent signalling and routing system to support the front end line array speakers. The ultimate objective is to maximise the flexibility within the site and AMS elected to offset the underlying complexity with the inclusion of a responsive graphical user interface.

The initial design included two, wall mounted, touch sensitive screens strategically positioned to render easy operator control. In auditorium mode the venue shall ensure a comfortable environment with the reverberant effect minimised. The beneficial ambience carries over when the venue is returned to gymnasium mode with the resultant effect of enhanced communication as a teaching area.

www.amsacoustics.co.uk ♦

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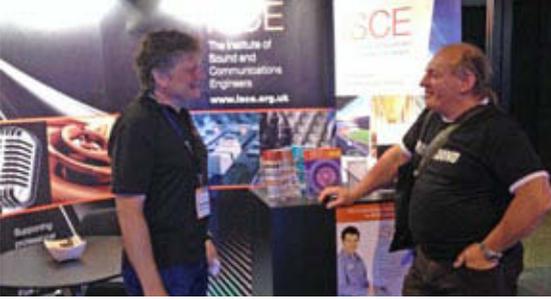




PRO

AUDIO AND LIGHTING TECHNOLOGY SHOW

13–15 September 2014 · NEC, Birmingham



“For a first show, it has been very good and we have booked again for next year. It is a good alternative to PLASA”.

Gareth Collyer, NEXO SA



“We have always supported BPM is the past and with PRO it has a fresh feel to the show. With Mondiale Publishing on board, it will push the whole event forward. We have seen potential dealers and regular customers and to be able to demo product makes it cost effective”.

Phil Price, RCF



“There has been a good take up for exhibitors and the PRO organisers are very friendly. It has exciting prospects to build on to the currently successful BPM show”.

Davies Roberts, Flare Audio



“We hope the show goes from strength to strength with more visitors as the show grows”.

John Willett, Sound-Link



“We hope the show goes from strength to strength with more visitors as the show grows”.

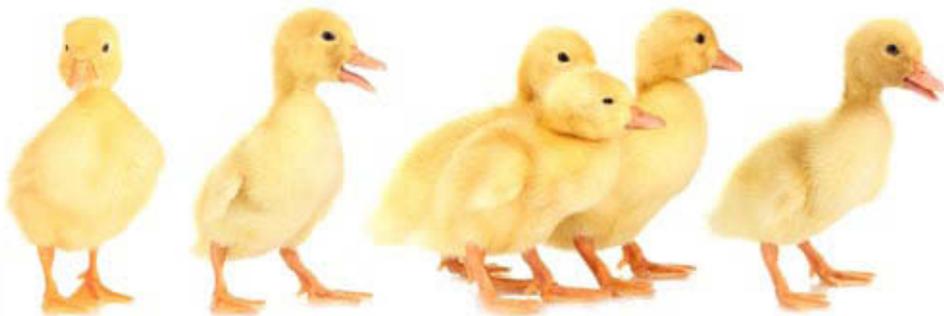
Andy Lewis, Audio Logic



Audio Logic celebrated their 10th anniversary on the stand, with champagne and an enormous cake cut by their Managing Director, Simon Stoll.

ISCE would like to give thanks to Alex Krasnic and Jason Williams for presenting the two seminars on our behalf in the Learning Zone. Attendees enjoyed their lively style of presenting.

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Recent training success



Designing for speech intelligibility using the speech transmission index

10 September 2014

“The training was well delivered and catered for all levels of experience for both engineers and consultants”.

**Richard Vaughan,
Vaughan Sound Installations**



Introduction to sound

9 September 2014

“It was a great course for any beginner looking to understand sound and how it behaves. Very easy to follow and the instructor was brilliant at making clear points and helping me understand. I would recommend to anyone interested in learning the basics about sound”.

Luke Stevens, Ashdown AV



Designing for speech intelligibility using the speech transmission index

10 September 2014

“It was an excellent opportunity to learn from a very experienced practitioner in speech intelligibility”.

Majid Siadat, MSI Audio Systems

ISCE Hearing Loop Assessors Register

Have you applied to be on our Hearing Loop Assessors Register?

Many ISCE members have the criteria to join the register, but have just not got around to applying. If this sounds like you, we are keen to hear from you. Just complete the relevant application form which is found on the Members' Area of the website, and send it to Ros who will obtain approval before adding your details to the register.

ISCE members who are registered on the Hearing Loop Assessment Scheme, are competent and trained in the latest technique and practices and have either passed (not just attended) one ISCE AFILS training course, have evidence of three recent successful AFILS installations, with confirmation by the client of satisfaction, or are members of BSI committee EPL100-1 (the BS 7594 committee) or TC29 MT20 or WG22 (the IEC committees). ♦

New Members September 2014

Member

Xavier Babington
Atkins

Craig McCann
Norland Managed Services

Uchenna Nwogu
Federal University of
Technology, Nigeria

Keith Ovenden
Application Solutions (Safety &
Security) Ltd

Senior Technician

Alfie Tyson-Brown
Freelance Live Sound Engineer

Temporary

John Andrews
Freelance

Andy Brewin
Honeywell Fire Safety Systems

David Crighton
FES Support Services
Nigeria

Jason Herd
J Sonic Productions

Adam Hockley
d&b audiotechnik GB

Dave Hutchinson
Honeywell Fire Safety Systems

Kyle McDonald
FES Support Services

Greg Rice
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Mr N Baldwin *AMInstSCE*

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Blaydon Communications Ltd, Tyne & Wear
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Mr P Dougherty *MInstSCE*

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Mr A Osborne

Broadcast Sound Systems Ltd, Lancashire
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Mr M Tugwell

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Mr P Vickers

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Mr W Mackie *AMInstSCE*

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Mr A Green

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