

# Falcon News

Keeping you in touch with all things BRUSH

Issue 02 June 2010

## Welcome, everyone to the June Edition of the 'Falcon News'

Since taking up the role of Managing Director at Loughborough in March this year, it has been apparent that there have been many positive changes implemented across the site as a result of all the hard work and achievements from every employee at BRUSH Electrical Machines. There is still a lot of work for us to do as a team to continually improve our service to our customers and make improvements to the site for everyone.

I'm currently working with the management team to further develop the BRUSH Loughborough vision initiated by Martyn

*"...there have been many positive changes implemented across the site as a result of all the hard work..."*

Vaughan in 'Fit for the Future'. Our focuses are on the 'how to' and producing solid project plans to turn that vision into reality. Key developments will be regularly communicated through our usual communication channels and notice boards.



Wayne Pearson,  
Managing Director

In order to push forward the 'Family Open Day', I would appreciate your feedback on such an event and what aspects of the company you would like to demonstrate to your family and friends. Remember the main aim of the 'Falcon News' is that it is to be owned by all of us, and I encourage everyone to get involved. Feel free to contribute by contacting the editorial team on the back page or by writing to the 'Falcon

News' with your ideas for this or any other items you would like to see in the magazine.

May I take this opportunity, to thank those who have contributed to this second newsletter.  
**I hope you enjoy the issue!**



## Thank you to HR and Payroll

The HR and Payroll Departments organised a raffle of 15 Easter eggs to raise money for The Rainbows Children's Hospice, to enter into the spirit of Easter. Between them they managed to raise £100.00.

**Well done!**

## What's Inside?

Trivia Quiz .....	02
News and Announcements	02
BRUSH Falcons football ...	02
Talk Back .....	03
E-BIT course .....	03
Graham second at Crufts ..	03
A BRUSH with the past! ...	04
Frank Dakin (1939 - 2010) ..	04
Riverside Facility .....	05
BRUSH chosen for upgrade .	05
Wadham delight at BRUSH .	05
Apprentices .....	06
Brush around the globe....	06
Building a Jigsaw .....	06
Long Service Awards .....	06
In Focus .....	07
We did it for Tom .....	07
Showing Off! .....	07
On your bike .....	08
Puzzle Corner .....	08



## Your news and announcements



### Baby girl for Daryll

Congratulations to Daryll Brown on the birth of baby daughter, Elissia. Born on 30<sup>th</sup> April, Elissia weighed in at a healthy 7lb, 11oz, and from the picture she appears to be quite a happy bundle.

### Congratulations to Toby

A big congratulations to Toby Castle! Toby recently proposed to his long term girlfriend Charlotte and she happily accepted. This is the second bit of good news that Toby and Charlotte have enjoyed this year with their now five month old daughter May Daisy being born back in January. Toby & Charlotte have not set a date for their wedding but look to get married in the near future, so a big congratulations from us all on all your good news.

## Tea Break Trivia Quiz

### For fun only...

- 1 Which composer wrote The Water Music?
- 2 What colour does acid turn Litmus paper?
- 3 What's the largest Scandinavian country?
- 4 What was Mickey Mouse's original name?
- 5 Which metal do you get from bauxite?
- 6 Which animal produces the biggest baby?
- 7 In Pop music, which two herbs go with 'Parsley & Sage'?
- 8 What was the name of the Benedictine monk who legend has it invented Champagne?
- 9 In which Country is Auschwitz (Birkenau)?
- 10 Who was Leonardo di Caprio's co-star in Titanic?

For answers go to the back page.

# BRUSH Falcons six-a-side football match



BRUSH entered two teams in the Loughborough six-a-side tournament to play against other local companies in the area as part of the 'Active Together Scheme'; the matches were played on Sunday 18<sup>th</sup> April. Our lads wore their BRUSH shirts with pride. "We had a decent turnout of both players and supporters which helped to encourage our lads to the top of their tables" said Jamie Pedley. BRUSH Falcons B managed to get through to the quarterfinals. "All the lads on the day played really well and deserved to win but that's football" said Jamie.

BRUSH Falcons A made it to a three way penalty shootout after finishing joint top of their group to try and get through to the quarter final but unfortunately lost out on penalties.



Back row from left to right:  
Clyde Hooper, Luke Wright,  
Paul Kemp, Shane Neale.

Front row from left to right:  
Dan Lewin, Stephen Onions,  
Liam Fitzpatrick, Ross Elcock

BRUSH Falcons B made it to the top of their group. This resulted in a three way penalty shootout, which was won by our team, only to lose very unluckily in the next game against a team from 3M whom we outplayed for the majority of the game.



From left to right: Edie Price, Gaz Matthews, Martin Moore, Matthew Cumberland, Dan Askew, Simon Stardust and Kev Smith.



## Talkback: Have your say

“ Welcome to the second issue of the ‘Falcon News’, I hope you enjoyed reading the first issue and will also enjoy this one?

If you have any ideas or comments that you would like to read about please let one of the team know. Contact us at [falcon.news@brush.eu](mailto:falcon.news@brush.eu)

The Easter colouring competition had a good response. The three winners were 0-4 year olds Millie Hewitt whose Dad Robin works in Fabrication shop. 5-10 year olds Grace Hanwell whose Dad Duane works in the Laminations and finally the 11-16 year olds was won by Samuel Howlett whose dad Dave works in Controls department. This issue’s competition is based around Father’s Day and the chance to win a family meal.

A Paintballing event is being organized by **Matt Farmer (ext 2598)** and takes place in June. If you would like to take part in this exhilarating activity please add your name to the posters which are around the site or contact Matt.

The Employee Engagement committee will be subsidizing the next social event. Activities will be organized throughout the year to boost morale and to have a bit of fun! If you would like to organize an event, please contact us.

The next issue should be out around the end of August so let’s have some stories and ideas from you.

Derek Adams, Editor ”



# Graham comes second at Crufts

Graham Gibbins purchased Scamp, a Staffordshire bull terrier pup, in Dec 2007 from good stock, his Grandfather, Cass, being the breed record holder. After success at local club events Scamp won second place at Nott’s and Derby District Staffordshire Bull Terrier Club Championship Show. This qualified him for Crufts, the largest dog show in the world.



Graham said that “being an exhibitor at Crufts is a lot different to being a visitor as you see a whole different side to things.” Scamp (pedigree name: Cross Guns Fred Astaire) was entered into the undergraduate dog class. Scamp went into the ring and loved the crowd and showed himself off wonderfully. “I was just hoping to do our best and if luck was on our side, pick up a rosette, any colour would do, I didn’t mind which, just to get to Crufts is an achievement but to get placed would be wonderful,” said Graham. “When the judges called out Scamp’s name in second place, I could not believe it!” The dog that beat Scamp went on to become best dog in his breed but, undeterred, Graham is campaigning Scamp for Crufts 2011.

## E-BIT course



Following on from the last edition of the ‘Falcon News’, we have now enrolled two groups on the new exciting E-BIT NVQ Level 2.

As mentioned in March, the new course has been updated to incorporate useful refreshers on topics that adult learners may not have used for a long time. It still gives you an NVQ Level 2 in Business Improvement Techniques, but it also gives you an opportunity to gain further qualifications in Literacy and Numeracy.

Feedback from Pera has been brilliant; they are so pleased that after the first day of enrolling the two groups, the learners began to access the online training courses at home. 60% of those that enrolled logged on to do further Literacy & Numeracy online learning, which is very encouraging.

**Just an interesting fact:** 64 Numeracy on-line lessons were completed within one day compared to only 27 Literacy on-line lessons! The learners are clearly more number crunching lovers than story writing creators!

The first group began their journey with the E-BIT course on the 24<sup>th</sup> May. The next group will follow in June. If you wish to gain an NVQ in Business Improvement Techniques, or require information please contact **Sat Sanghera** on **Tel 2131**

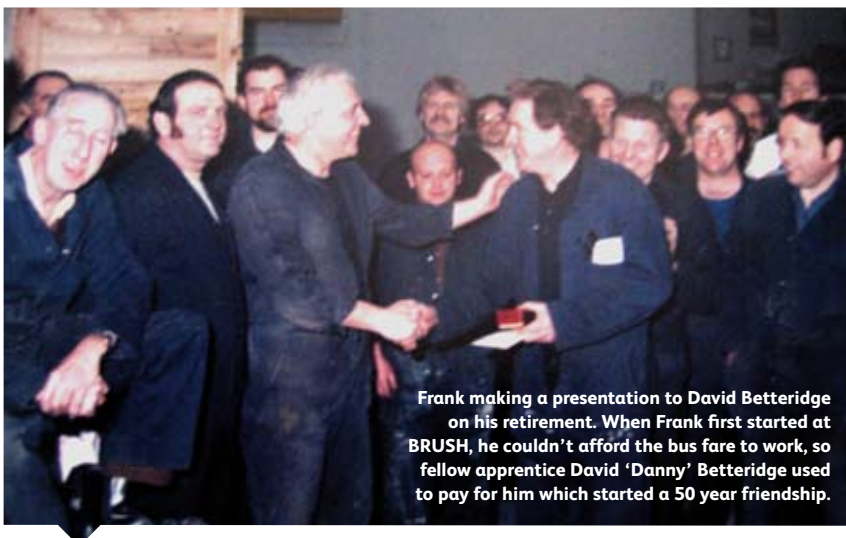
“Completing the Numeracy assessment was quite lengthy but I couldn’t wait to get to the end to see the results. The assessment covered many areas – some of which I hadn’t used for years so it was quite refreshing but also challenging as it certainly made me think. Although I felt unsure of how I would do in the assessments, the trainers were very reassuring in their manner and very helpful no matter what you asked. The individual lesson plans are great; it’s an opportunity to either refresh or reinstate what you have done in the past, exploring new areas gives further learning and experience. I have already started doing them at home and you can go on as little or as long as you want”.

Quote from a participant in Group 14

# A BRUSH with the past!



Even though the clip from the “BRUSH Broadside” in 1969 (left) is over 40 years old and we used to employ around 6,000 people in the then BRUSH Electrical Engineering Co.Ltd. It goes to show how far health and safety has improved these days. During 2008 there were 67 recorded accidents/incidents on this site. Who knows, maybe in 40 years’ time someone may be writing about the 67 accidents we had in 2008!



Frank making a presentation to David Betteridge on his retirement. When Frank first started at BRUSH, he couldn't afford the bus fare to work, so fellow apprentice David 'Danny' Betteridge used to pay for him which started a 50 year friendship.



Frank the apprentice (1955)

## Frank Dakin (1939 – 2010)

It is with deep regret that we have to report the death of Frank Dakin. Frank started at BRUSH in 1953 and remained here until he retired in 1993.

Frank will be mostly remembered for his time in 24 Shop, initially working on the Ljungstrom turbines & large frequency changers, to all frame sizes of DAX generators, especially looking after the rotor balancing operations in the overspeed pits. He also worked off site for the Outside Erection Dept (now Aftermarket) all over the world, including Hong Kong.

Frank started at BRUSH distributing mail round the offices and soon moved onto the

apprenticeship scheme, which led him into many positions of authority. He had respect for honesty, loyalty and rewarding hard work, even though it might have only been a bag of chips after a hard night's work!

Frank always took a keen interest and was very popular with the apprentices spending much time with them; many of them are still employed here.

Frank's interests included Rock and Rolling, and he regularly took centre stage at the BRUSH Club along with his wife Josie. He also enjoyed all things to do with engineering and especially fitting, He had many wonderful old

vintage time pieces chiming, around the house and he also enjoyed pub quizzes as a member of the BRUSH Club quiz team. He loved motor racing and anything to do with motor sport Vauxhalls, hence his love for his 'Droop Snoot' high performance firenza. He was also a founder member of the 'Droop Snoot Group', which now has over a thousand members.

His son Tim said, "Dad had the most wonderful of characters, a big heart for all his family and friends, a big man with the warmest of embrace. A hug from big Frank meant the world, his advice gave everyone reassurance and support. A truly special father, husband and friend who leaves us all with a big empty space".

# Riverside Resource Recovery Facility

BRUSH's contribution to improving the environment has increased with the despatch earlier this year of a BDAX 8-365ERH generator (serial number 916031.010) for the Riverside Resource Recovery Facility at Norman Road, Belvedere, on the south bank of the River Thames in the London Borough of Bexley.

Until now, London has disposed of over half of its municipal solid waste in landfills, many of them outside the city. In 2002, Cory Environmental was awarded a 30-year contract with the Western Riverside Waste Authority (WRWA) to handle municipal waste from six London boroughs. The Riverside Resource Recovery Facility, also referred to as an Energy from Waste (EfW) plant, is Cory Environmental's single most significant development project. When operational, it will be one of the UK's most efficient energy recovery plants, processing almost 600,000 tonnes per year of waste from households and businesses in central London.

Almost all of the waste will be delivered in enclosed containers to the plant via the River Thames and off loaded

at a new specially constructed jetty. The waste combustion process will be carefully and continuously monitored and heat energy will be recovered from the flue gases through specialist, high efficiency boilers. The plant will be capable of supplying up to 30 MW of steam for district heating and up to 80 MW of electricity. Approximately 6 MW of this will be used to run the plant, with the remainder being exported to the grid.

The principal residue from the process will be bottom ash, almost 200,000 tonnes of which, including metals, will be produced each year. This will be collected and loaded into covered containers which will be loaded on barges and sent on the River Thames for metal recovery and for recycling into road building and construction aggregates.

Our success in the EfW market sector continues with the recent order for a BDAX 9-335ERH generator for the Tuas waste incineration plant in Singapore. This generator will be built at Plzen for despatch in 2011; we anticipate two Loughborough-built 40 MW machines for the same project being ordered for delivery in 2012 and 2013.

## BRUSH Generators chosen for upgrade of Portuguese Refinery



Two BRUSH BDAX 7-290ERHN generators, despatched at the beginning of this year, are currently being installed, to be driven by General Electric Frame 6B gas turbines, at Galp Energia's Matosinhos cogeneration plant near Oporto, one of the largest cogeneration facilities in Portugal.

Replacing older, oil-fired technology, they will increase the plant's efficiency and improve its environmental impact by reducing carbon dioxide emissions by over 400,000 tonnes per year. The turbines are expected to provide all of the steam and electricity requirements for the nearby Matosinhos Refinery, with the excess electricity generated being sold to Portugal's national grid.

Two General Electric Frame 6B gas turbines, also driving BRUSH BDAX 7-290ERHN generators, recently entered commercial operation at a cogeneration plant that supports the Sines petrochemical Industrial park.

# Wadham delight at BRUSH Aftermarket

When Wadham utilised the services of a third party, non OEM, to service their BRUSH generator, problems arose. By disturbing the PMG bolting during a rotor pull and through inadequate knowledge and experience of the machine, the non OEM was unable to offer a solution to the problem they created. Wadham subsequently contacted BRUSH Aftermarket to help achieve a satisfactory outcome.

The situation was time critical and it was not feasible to dispatch an engineer to site at such

short notice. However, a highly trained BRUSH engineer was immediately available to discuss the situation, over the phone, with the client.

Delighted with the knowledge and competence shown by the BRUSH engineer, the client immediately commissioned BRUSH to offer technical support, via telephone, in order to fully identify the problem with the damaged machine. During the subsequent phone calls the engineer was able to discuss the issues in

more detail and identify the correct solution to the problem. The engineer also identified an alternative (short term fix) solution, which allowed the customer to get the generator temporarily back up and running, until the necessary parts to service the final solution were delivered to site.

The client was delighted with the outcome and subsequently committed to only deal with BRUSH Aftermarket for their future servicing needs.



## Apprentices

### Apprentices up for awards

Two of our apprentices are about to receive an award from Loughborough College on Tuesday 8<sup>th</sup> June at their annual awards evening.

- **Level 2 Apprentice of the Year is Sean Erskine, Apprentice Winder.**
- **Level 3 Apprentice of the Year is Phil Durant, Electrical Maintenance Apprentice.**

*"I am sure we all would like to congratulate both Sean and Phil on this great achievement. They have both worked hard over the past 12 months and I am pleased this has been recognized by both Loughborough College and BRUSH"* said Dave Commons (Apprentice Scheme Manager).

At the time we went to print the awards had not taken place so photo and report will be in the next issue.

## BRUSH around the globe

### Top Award for SEM

Brush SEM has won a Hay Group best employer award for the western region of the Czech Republic. The award criteria were based on career opportunities, training & development, management standard, values & culture, remuneration & incentive scheme, performance management and HR effectiveness. Pavel Lukes (Managing Director SEM) said "The award arrived at a good time as it confirms progress is being made at SEM as we are experiencing record low absence and H&S levels."

### Richard joins the US Team

On June 1<sup>st</sup> Richard Lowrance joined Brush Turbogenerators Inc. in the capacity of Service Engineer (Mechanical), reporting to Charlie Mallon.

Rich joins us from Granite Services International – a GE owned company based in Tampa, Florida.

Rich's last project with Granite involved the installation and commissioning of a GE LMS100 unit at Culbertson, Montana for Basin Electric where he was the Lead Mechanical Tech. The turbine is driving a Brush DAX generator.

## Building a Jigsaw

In March this year BRUSH Aftermarket initiated 'Project Jigsaw', an in-depth root and branch analysis of the **Global Aftermarket business, identifying strengths, weaknesses, opportunities and threats.**

We commissioned the services of B2B International to carry out a comprehensive survey with over 200 of our customers. The survey took the form of detailed interviews, covering all areas of the Aftermarket business and we had a fantastic response from our customers who were genuinely interested in taking part.

They spoke freely, telling us their current perceptions as well as giving actual examples of working with BRUSH. They were also very forward in suggesting what they wanted an Aftermarket company to offer them over the coming years!

The results have made very interesting reading and highlighted some tremendous advantages we already have over our competition – we will capitalize on these strengths and broaden them further. It has also identified many opportunities for us to develop the



business, in some cases in uncharted territory. These opportunities will enable us to increase our market share and profitability.

From the research we have set up a number of project teams who are developing solutions to allow us to capitalise on the information we have gathered. These projects will ensure the continued development of the business over the next decade and make BRUSH the Aftermarket partner of choice in the Global Power Industry.

In our next newsletter we hope to communicate the findings and detail some of the exciting plans we are putting into place.

## 25 Year Long Service Awards



Photo shows: James Smith (Machine Shop), Colin Butler (Drawing Office), Andrew Beal (Manufacturing Systems), Jerry Johnson (Computer Services), Mark Ledger (Production & Material Control), Bryan Wooley (Fabrication Shop), Philip Wintle (Panel Assembly). Unfortunately Kevin Pearson, Tariq Mahmood, Andrew Ashley and Lewis Livingston could not attend owing to either family or work commitments.

Quorn Country Hotel was the venue for this years "Long Service Awards". We had eight employees from across the company collecting their choice of gifts of lasting value from our new MD Wayne Pearson with a total of over 200 years service between them. Guests were invited along with their partners to enjoy outstanding

cuisine in the award winning restaurant, and enjoy the facilities of the hotel that dates back to the Doomsday book. Colin Butler commented after being presented with his watch "After 24 years service at Brush Switchgear and being made redundant at 56, I was reassured BEM recognised I still had a useful working life."

## In Focus:



## Karen Tinsley Occupational Nurse

I have lived in many places both in England and in other countries (Israel & Greece) but somehow I ended up back in Loughborough and stayed. Now I am a mum to three, two not so bad teenagers as teenagers go, and one energetic boy of seven that does not understand the concept of sleep or "stop talking". Most of my family play some sport or other with me as the transport provider, although secretly I wouldn't miss it anyway.

I come to the "BRUSH" for some sanity. With so many relatives Dad, Granddad and others who have worked here I feel part of its history and of course my sister is already here as well. BRUSH talk is banned at home!

My door is always open and I will try to help anybody with a problem or point him or her in the right direction. I come from both an A & E and a University Medical Centre background; both have taught me skills that I can use in the medical centre here such as travel vaccinations for the Aftermarket & Sales team, hearing tests etc. I also work with Traction and Transformers so am very lucky that I know most people across the site. By the way I also carry out smoking cessation clinics, but don't all rush at once!

# We did it for Tom

Two BRUSH employees, Andy Wilson and Derek Adams, amongst others completed a 95-mile cycle ride from Loughborough to Skegness in May to raise awareness and funds for the Bone Cancer Research Trust and to support the family of Tom Walker.

Tom was diagnosed with Osteosarcoma in August 2006 aged 16 after complaining of pain in his shoulder. A keen rugby enthusiast who played for his beloved Loughborough RFC from the age of seven years old until diagnosis, Tom had a positive outlook on life despite many months of chemotherapy. He endured a forequarter amputation losing his right arm, shoulder joint, collarbone and shoulder blade. Tom passed away in February 2008, aged 18.



Derek said "I was pleased to be able to take part in something like this. Having recently lost seven stone in weight, this is the first time in my life that I can take part in any form of sport and would like to thank Andy for encouraging me to the finish line." Andy and Derek would like to thank the BRUSH for the donation of £50 each that will go direct to the Bone Cancer Research Trust.

**Note.** When I was in Skegness I met other BRUSH employees who also did the ride. If you or any of your family are doing something in the future that you would like sponsorship for, please contact the HR Department to collect an application form. They will then co-ordinate the joint application.

## Showing Off!



## Electric Power Baltimore, MD, USA

May 18 – 20, 2010

As part of our marketing program to remind users and contractors in the utility and independent power producers sectors, BRUSH Turbogenerators exhibited at the Baltimore – USA Electric Power conference.

Staffed by sales personnel from UK, Houston Office, Aftermarket and our recent acquisition GMS, we displayed the complete range of solutions available from the BRUSH company. "This exhibition gave us a chance to visit with new and existing purchasers and the engineers/operators of our equipment who specify what their generator and control needs are on upcoming projects." said Derek King, General Manager, BRUSH Turbogenerators Inc.

Approximately 500 exhibitors had stands on display and around 4500 visitors and delegates attended. A number of follow up actions have been recorded across the various product lines.

## Chartership for Joanna

Joanna Brahova (DAX Product Manager) has recently received her Chartership with Institute of Mechanical Engineers, where she is participating in a young members committee and as a representative of young members in the regional committee. Joanna has also been elected as education representative on the young members board. She is now responsible for shaping and implementing education strategy for the Institute with 80000 members worldwide.

**Well-done Joanna!**

## On your bike



John Arlott cycling to work on his bike

The 'cycle to work' scheme has been very popular and deemed to be a great success with 42 employees taking up the offer to get a new bike. Interestingly, 23 bikes came from Halfords with the remainder coming from independent suppliers.

The scheme allows employees a tax exemption whereby they save on income tax, NI contributions and VAT by having the cost of the bike deducted from their gross salary. Interest free payments are then made over the year by 13 four-weekly instalments.

BRUSH is hoping to offer the scheme again towards the end of the year.

One happy employee, John Arlott, who is a mechanical engineer in the Technology Centre said, "With the money I have saved through the scheme I have been able to get myself a better bike than I would have usually purchased".

# Puzzle Corner

## Sudoku challenge!

- Each row, column and box must end up containing all of the numbers from 1 to 9.

### Instructions

Your task is to fill in the blank squares. There's only one rule:

This rule has a side-effect:

- Each number can only appear once in a row, column or box.

		9						
4	2	7		6			9	8
			2	9		3	7	
		5					3	
		3	5	1	9	6		
	4					2		
	3	2		7	6			
8	5			3		7	2	4
						9		

**Tea Break Trivia Answers** 1. Handel 2. Red 3. Sweden 4. Mortimer Mouse 5. Aluminium 6. Blue Whale 7. Rosemary and Thyme - Scarborough fair 8. Dom Perignon 9. Poland 10. Kate Winslett

## Contact Falcon News

Falcon News HQ  
falcon.news@brush.eu

### Falcon Staff Contacts

Derek Adams – Editor **Ext. 2907**  
Sat Sanghera **Ext. 2131**  
Steve Francis **Ext. 2020**  
Paul Welsh **Ext. 2375**  
Bev Lyttle **Ext. 2362**

Kelly Sallis **Ext. 2390**  
Neil Jarram **Ext. 2479**  
Dean Short **Ext. 2329**  
Jamie Pedley **Ext. 2092**  
Matt Farmer **Ext. 2598**



BRUSH Electrical Machines Ltd.  
Falcon Works, Nottingham Road, Loughborough,  
Leicestershire, LE11 1EX, England  
Tel: +44 (0) 1509 611511  
Fax: +44 (0) 1509 610440

[www.brush.eu](http://www.brush.eu)