



FLUID TALK

The Official Newsletter of the
Fluid Power Society of Western Australia Inc.

October 2003
Volume 4, Issue 3

Inside This Issue

- 1** • Fluid Power Society Annual Golf Day
- 2** • Presidents' Prologue
• Calendar
- 3** • World Skills
- 4** • Call for Papers for the Fluid Power Net International Symposium
• Training, Assessment and Accreditation Information
- 5** • Visit to Australia Post
• Ahoy to All Fluid Power Society Members
- 6** • Hydair Drives Powers Forward
• The Origin of Contamination Particle Counting Sizing
• Movers & Shakers

Fluid Power Society Annual Golf Day

By Phil Bristow-Stagg

The weatherman predicted showers for Sunday 14th September 2003, but fortunately the prediction was wrong and allowed everyone pleasant golfing.

This year saw a maximum participation of forty players; so it would be advisable to get your booking in early next year, make a note in your diary for Sunday 12th September 2004.

The Peninsula Golf View Tavern once again provided an excellent BBQ after the event. Many fine shots were debated over amber ales and followed by the presentation of prizes.

The FPS committee and members sincerely thank all the sponsors; for without them the annual golf day would not be possible

We would like to acknowledge the following sponsors

- | | |
|--------------------------------|------------------------------|
| Afkos Industries | JMV Hydraulic Sales |
| Alfa Engineering | Kempe Fluidair |
| Brevini Australia | K-ONE Fluid Power |
| Cross Hydraulics | Mining & Hydraulic Supplies |
| Denison Hydraulics | Norgren |
| Eaton Fluid Power | Parker Hannifin (Aust) |
| Festo | Perth Hydraulic Centre |
| Gerrard Hydraulics | Prime Hydraulic Power |
| Hagglunds | Sauer Danfoss |
| Hardy Spicer | Simon Hydraulics |
| Hycon Hydraulic Systems | The Greek Taverna Restaurant |
| Hydair Drives | Transeals |
| Hydraulic Contracting & Supply | Tyco Flow Control |
| Hydraulic Manifolds Australia | Tyco Motion & Control |
| Hydraulic Resource | |

Awards

- | | |
|-------------|---|
| First Team | Terry Pulford, Doug Haig, Alan Conrادية, Brett Riseberry |
| | The winning team chose Doug Haig to be the recipient of the Sauer Danfoss "Most Valuable Player" Trophy |
| Second Team | Ken Fletcher Snr, Ken Fletcher Jnr, Troy Fletcher, Ryan Davis |
| Third Team | Ian Lavington, Mark Volk, John Binks, Chris Jones |
| NAGA Team | Phil Butt, Terry Nicolaou, Glen Woodward, Tony Schnieder |

- | | | | |
|------------------------|--------------|-----------------------|----------------|
| Closest To Pin Hole 5 | Todd Sarich | Longest Drive Hole 7 | Nathan Mayers |
| Closest To Pin Hole 16 | Nick Carlino | Longest Drive Hole 18 | Stuart Coleman |

Muffed shot of the day was awarded to Ian Trembath who with amazing skill off the tee, managed to drive the ball vertically down into the grass with the correct amount of force to allow the ball to spring out and finish 600 mm behind the tee.

Fluid Power Society
of Western Australia Inc.
3 Cooper St
Mullaloo WA 6027
Website:
www.fluidpowersociety.com.au



Presidents' Prologue

By Tim Bailey

More than thirty Fluid Power Society people attended the Australia Post, Perth Mail Centre visit in August to see how two million pieces of mail are handled each day. As reported elsewhere, in this newsletter, everyone found it a most interesting visit and it was very pleasing to see a significant number of ladies present.

The annual FPS golf day has just concluded and was also a great success with the full allocation of 40 playing places being taken up. Just to 'keep the ball rolling', your committee has organised a works visit for October 8 and the grand finale for the year, the Christmas cruise on November 14.

The Christmas cruise is being repeated, following the success that it was last year, however, this year the delicious carvery meal will also include dessert and coffee! I have to own up as being the culprit who forgot to order that essential part of the meal last year and, having subsequently being severely spoken to by a number of ladies including she-who-must-be-obeyed, I made sure of it this year! We need to enroll a 'crew' of about 80 people to make it an even better evening than last year. Can we count on *YOUR* support?

Not been satisfied with just organising the above events, your committee has also been very active in the technical and training area. The 'WorldSkills' competition for fluid power apprentices was held on August 1st and 2nd at the Burswood Superdome. The event is financed by the State government and is held every few years. It is a major Expo aimed at exposing school leavers to tertiary education and training opportunities. Eight fluid power apprentices entered the competition and the Fluid Power Society provided the majority of judges - as is also reported in greater detail elsewhere in this newsletter.

It is the opinion of your committee that this event should be held every year and that it should be considerably upgraded and expanded in the fluid power area. Your committee will make the necessary representations to try and bring this into effect.

In my previous comments, in this column, I have mentioned the development of a high pressure hose assembler registration system that enables people to be registered with the FPS of WA as having met the knowledge and competency requirements of the Society. The protocol is now in place and your vice president, Barry Catanach, and myself have made presentations to some industry and industry-related organisations to seek their support in establishing proper standards of knowledge and competency in this area of fluid power.

The response has been excellent with there being no dissension to the statement that this aspect of the industry is in urgent need of a means of establishing proper standards and it is anticipated that the Society will start to receive applications for registration within the next six to eight months.

It would appear that the Society has embarked on this project at a most opportune time as, in parallel with the FPS of WA, the Fluid Power Society of America has also started looking at this problem. We have corresponded with their vice president of certification and he has expressed a strong interest as it appears that we are further ahead in this area of fluid power than they are. I am personally hopeful that we will eventually be able to offer appropriately qualified, high pressure hose assemblers a registration that is recognised by the International Fluid Power Society which is the new name for the Fluid Power Society of America.

With best wishes..... Tim Bailey

Events Calendar

Wednesday 8th October 2003
Parker Hannifin Aust P/L Site Visit
Hodgson Way, Kewdale

Site Visit to Parker's Premises to View Their New Products and Service Department.



Wednesday 5th November 2003
General Committee Meeting
AMTC Wembley

Committee Members meet for Monthly General Committee Meeting.



Friday 14th November 2003
Paddle Steamer Decoy
South Perth Jetty

Christmas Party - All Members and Friends Welcome.



26-28 November 2003
1st International Conference on Computational Methods in Fluid Power Technology
Melbourne, Australia

Visit <http://fluid.power.net/> for further information.



Sunday 12th September 2004
Annual Golf Day
Peninsula Golf Course, Maylands

All members are invited to attend the Golf Day.



World Skills

The recent World Skills held at the Burswood Dome was a resounding success. The event ran over a three-day period with over 100 exhibitors and 18 competitions run at the dome. This represented an ideal opportunity for the Fluid Power Society and industry to raise its profile in the wider community. Attendance figures were placed at approx 18,000 and with the time frame being short to organise the success of the event can not be disputed.

The Fluid Power component was no exception with eight competitors entered. The competitors came from such diverse backgrounds as Alcoa Australia to Fremantle Hydraulics. One of the entrants came from Hägglunds Drives travelling from Bunbury to compete.



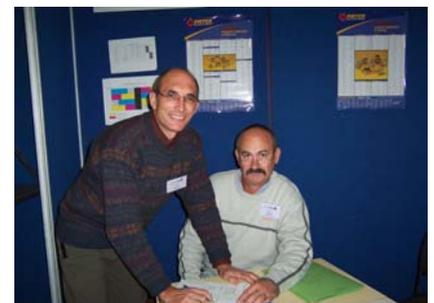
With the event not having been run for a couple years the competitors were first time entrants and nerves were only slightly obvious considering this fact. Joey Cane who is a 4th year fitter Machinist at Alcoa Kwinana said 'I have enjoyed the experience however it was a steep learning curve'. He went on to comment 'the opportunity to show case his skills and to compete in such a well organised event had given him invaluable experience that he would not normally have the chance to gain'.

Many of the judges for the competition were members from the society and professionals in our industry making the competition even more relevant with the apprentices being judge on their work and skills by the hands on people within the industry. Phil Bristow-Stag, Barry Catanach, Peter Geutjes, Jim Muir, Simon Melhusih, Ben Lee, Noel Plummer, Dan Murphy and one other judge all took time out of busy schedules to judge the Fluid Power section of the competition.

Peter Geutjes SWAN TAFE was also delighted with the response from both the general public and industry. 'The world skills display and competition is such a worthwhile event and hopefully set to become annual event on the Perth calendar.' Peter said 'I also look forward to continuing the excellent working relationship that has been established with the society.'

Frank Everingham from Incorp liased with the Fluid Power Society, Industry and others to organise the event was delighted with the World Skills outcome. His hope for the future is to provide better links with employers and industry as a way of improving the event and the competition. It is hoped that in future the competition side of the event will extend out to 30 competitions being run at the dome over the three-day period.

In terms of this type of event the World Skills was the biggest event run at the Burwood's Dome this year. Frank Everingham said 'I would like to pass on my sincere thanks to the Fluid Power Society and in particular the judges for their contribution to the success of the event.'



Call for Papers for the Fluid Power Net International Symposium

Fluid Power Net International (FPNI) announces the 3rd FPNI – PhD Symposium Terrassa 2004 Invitation & Call for Papers Terrassa (Barcelona), Spain June 30th July 2nd, 2004. On behalf of the Fluid Power Net International (FPNI), we are pleased to announce the 3rd FPNI-PhD Symposium Terrassa 2004, to be held at the Technical University of Catalonia, Spain, on June 30 - July 2, 2004.

The objective of the symposium is to provide a forum for young scientists, especially PhD students, all over the world to exchange ideas and opinions on current research and future developments in fluid power technology. We are confident that the symposium will give all the participants an excellent opportunity to meet in an informal atmosphere, at the Campus of Terrassa of the Technical University of Catalonia. This opportunity will enable all participants to discuss questions about future directions of research and education in fluid power as well as its competition with other technologies. All PhD students around the world doing research in fluid power technology are invited to present their results and the state of their scientific activities. Besides information about worldwide research, it is also our intention to establish new contacts for a broader R&D co-operation in fluid power technology and related areas.

For further information and to download the 'call for papers', please look at the PhD web site: www.phdsymposium2004.upc.es

Prof. Esteve Codina - Chairman of the Organizing Committee Prof. Jacek S. Stecki - Chairman of the Scientific Board of FPNI

If you know of anyone else who may be interested in the 3rd FPNI PhD Symposium, we would be most grateful if you could forward this information to them. Thank you.

Technical, Assessment and Accreditation Information

By Barry Catanach

As mentioned in the last issue we stated that your Society will be providing information to members on how to gain recognition for your valuable knowledge and experience. I think at some stage in your career most of you would have attempted further education and due to the nature of your job or family commitments you were unable to complete the training.

The Society can assist you gaining recognition and accreditation through two processes. You may choose recognition of prior learning (RPL) from past experiences or seek recognition of current competencies (RCC) which is specific to your current situation. The Society has members on the committee that are registered industry assessors with a specialty in on-site training and assessing. They are supported with an RTO status specific to fluid power. This means a qualification can be gained or a statement of attainment can be issued for the competencies you have been accredited with. Well now is the time to take advantage of the Fluid Power Skills matrix and gain the recognition you deserve.

The scope of qualifications the Society can assist you with starts at Certificate II in Engineering – Production (MEM20198), this is tailored to the conductors and connectors industry. This is assessed against the competencies identified that you perform as a daily routine and importantly for you is totally “on the job” which eliminates the inconvenience of having to get off to a night class.

For some people employment in the fluid power industry has started as a store person or in a technical support role in the workshop. Over time they have progressed up the ladder to work in technical sales but did not get the opportunity to gain a qualification. The Certificate III in Engineering – Production Systems (MEM30198) has your name on it. Do you converse with customers, write basic reports/quotes, read basic drawings, occasionally assemble components, and sketch drawings? Then gain a national qualification and recognition for your efforts.

The purpose of the Fluid Power Skills Classification and curriculum matrix is to provide a guide to gaining the necessary skills and knowledge to becoming a Fluid Power Society accredited technician. This is only one level that the Society offers as there are many more areas that you can be recognised as a specialist in. For more information go to www.fluidpowersociety.com.au and click on the training matrix. If you do not have access to the web then contact us so we can send you a Fluid Power Skills Classification and curriculum matrix book.

Here is how you go about getting the information regarding the skills recognition opportunities available to you. Contact Barry Catanach either by email: bcatanac@bigpond.net.au or phone (08) 9471 8744 or for more contact details see the full list of contacts on the back page as there are other members that can assist you. Remember learning is life long.

Technical Information and Training

This is a new innovation in our newsletter. It will be a regular feature, and is to be compiled by our esteemed Vice President Barry Catanach. Barry, as the members will know, has had many years' experience lecturing and training in the field and is the ideal person for our new section. Any articles of information that members would like to add to the Technical information and training section can be forward to either Barry or Margaret Byrne limecommunications@yahoo.com.au or Ph 9459 4402 Mob 0411 503 822

Visit to Australia Post

Wednesday 13th of August the Fluid Power Society was treated to a tour of the Australia Post Mail Exchange at the Perth Domestic Airport. The evening was well attended by the members with over 20 members and friends braving the cold.

The evening began at 6pm with nibbles and interesting talk on the mail system and a description of the layout of the exchange. Roger Meakes gave the presentation, which included technical information and comparisons to how the mail is processed today with the mail systems used in the past.

We were then divided into two groups for a guided tour of the facility. Our guides informed us that Perth processes over 2 million letters a day and many other interesting aspects of the exchange and this does not involve parcel processing which occurs at the Welshpool depot.

Fluid Power Society members were fascinated by the use of compressed air at the exchange, as well as other technical features. The volume of mail passing through the centre amazed all present.

The members and friends of the society would like to extend they're thanks to Neil Sarich for arrange such an interesting and informative evening.



Ahoy to All Fluid Power Society Members

The good ship 'Decoy' sails on the 14th of November at 7.00 p.m. with a Fluid Power Society crew.

We have chosen to repeat the Christmas Cruise of last year because everyone enjoyed the evening so much.

The Christmas Cruise has been booked in mid November to avoid clashing with other functions. At least that is the official reason. The truth is we want to be the first to kick of the silly season with a splash! (Not over board)

This year we want to have twice the fun of last year, our way of achieving this is to have twice as many people on board.

The Fluid Power Society extends the invitation to all of your family and also your friends to join us for a great night. There will be plenty for all with entertainment from the Gumnut Stompers jazz Band stoppers who will be providing the music and the chance to kick your heels up and have a dance.

Please book with Leeza on Phone: (08) 9362 3722 Fax: 9470 1447 or e-mail: lewray@tycoint.com

This is a great value for money evening so book early to secure a berth.



Hydair Drives Powers Forward

It was three years ago in September that Hydair Drives Fluid Power Systems broke away from Atkins Carlyle and emerged as one of WA's leading suppliers of hydraulic and pneumatic systems and components. This growth was achieved over these formative years by strong support from numerous suppliers, including **Parker** who now see Hydair Drives as the premier state distributor.

Employing ten staff, Hydair Drives has the advantage of having people qualified in various fields so that very few customer enquires go unanswered. In fact the vast range of products that Hydair Drives now deals in is truly staggering, **Parker, Commercial, VOAC, UCC, Grescen, Apitech, Goyen, Festo, Norgren, SMC, Danfoss, Casappa, Dynacool, WIKA, Dwyer, Enerpac, Hydac**, to name a few.

Locally owned and operated, Hydair Drives unique supply capability is supported by an organisation that is structured to provide excellent customer service, comprehensive technical support and after sales service. "We have the expertise and knowledge to advise on the smallest item through to the largest projects, add to this our competitive pricing and vast product range and you soon start to see why we have gone from strength to strength, we call this **"THE HYDAIR ADVANTAGE"**", says Product Manager Malcolm Tucker. Located in Belmont, Hydair Drives is in a central position for quick turn around of goods to customers. Please contact us on (08) 9475 5777 during business hours or visit the website www.hydairdrives.com.au.

Advertising with the FPS

Your company can sponsor **Fluid Talk**. For a minimal cost you can publicise your company with a flyer, which is inserted into the newsletter. Acknowledgement of your sponsorship will be highlighted within the same edition. Advertise your company, service or product to a **targeted audience** with an A4 flyer, single or double sided, for only \$150. Contact Lime Communications on 9459 4402 to take advantage of this unique opportunity.

Movers & Shakers

- Damien Lewis has joined Festo from Parker Hannifin.
- Chris Ahrens has joined Tyco Flow Control from Tyco Motion & Control.
- Tony Shepherd has joined Prime Hydraulic Power
- Rexroth Bosch Group, Crocker Drive have moved to new premises in Resource Way Malaga.



FPS Contact Names and Numbers

Position	Name	Phone	Fax	Email
President:	Tim Bailey	9244 4993	9244 4995	hydeng@iinet.net.au
Vice President:	Barry Catanach	9382 5730	9382 5797	bcatanac@bigpond.net.au
Secretary/Treasurer:	Stuart Coleman	9362 3722	9470 1447	stcoleman@tycoint.com
Technical & Training:	Phil Bristow-Stagg	9248 8255	9248 8256	pbseng@iinet.net.au
Membership & Programs:	Neil Sarich	9209 2344	9209 2355	neil.sarich@hydac.com.au
Accreditation:	Tim Bailey			
Newsletter:	Stuart Coleman			
Committee Members:	Lloyd Hollier, Ian Lavington, Peter Marwood, Danny Mayer, Malcolm Tucker.			

Disclaimer

Whilst the Fluid Power Society of WA Inc., does its best to ensure that any information that it may give is accurate, no liability or responsibility of any kind is accepted in this respect by the Fluid Power Society of WA Inc., its members, its servants or its agents.

The Fluid Power Society newsletter is compiled by Margaret from Lime Communications. Suggestions, ideas and information for the newsletter are most welcome - contact us on 9459 4402 or email limecommunications@yahoo.com.au.