

# Air-Stream

Official Air-Stream Wireless Newsletter  
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Issue 1301

## SLS Cement Hill is Alive!

Cement Hill, located in the southern suburb of Seacliff Park, is operated by Surf Lifesaving South Australia. In the past few years Air-Stream has been developing a relationship with SLSA to aid the development of a communication system for SLSA while expanding the Air-Stream network at the same time. Cement Hill has been one of the 'core' nodes of this project which will allow the further expansion of the Air-Stream network well into the South of the Adelaide Metropolitan area. After many weeks of planning and negotiations with SLSA we have finally completed the first stage of the Cement Hill build which brings the node onto the network and allows for much greater access for many people not only in the South of Adelaide but many nodes in the West too! On the 2nd and 3rd of January Sam, Sam, Nathan, Justin, Drew, James, Tom, Troy, Michael and a few others braced the extreme 40c+ heat to complete this project. The first stages were strengthening the mast, as the old triangular mast was only secured by a stobie pole. This was achieved using a new device which has not been used before. The 'anchor' points were secured using 'Ancor-Locs' which are driven into the ground and when pulled up swivel 90 degrees and 'lock' into the ground. Two sets of Guide--Wires were then used to lock the mast into place, wireless gear was then installed and connected with the first backbone connecting to Highgate-Park-SW Sector. Cement Hill has 2x 2.4Ghz sectors and 2x 5GHz sectors which one of each pointing North and South. Thanks to all the guys who put in the hard work to complete this site and if you are in the south or west, go get stumbling!

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### Upcoming Events

Jan 22—Network Team Meeting  
Jan 30—Members Meeting (Parkside)  
Feb 02—ASLAN #27 (Blair Athol)  
Feb 13—Committee Meeting

### Did You Know?

You can find out your membership expiry date on your own very easily!

Simply login to our member services (<https://members.air-stream.org/>) and in your 'Profile Card' your current expiry date is visible underneath your Join date!

**Air-Stream**  
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## Photos

# 10th Anniversary AGM 2012 Wrap-Up

What a year, 2012 saw many huge steps for Air-Stream in many positive directions. With the initiation of Peering Agreements, Host Site Agreements and Job Safety and Environmental Analysis sheets enter into the picture Air-Stream took a big step forward into making a much more professional image to businesses and members alike looking to participate in the great network we have! Our first Peering agreement was signed with the Lutheran Church of Australia in cooperation with Lutheran Community Care as well as our first official Host Site Agreement with Carrick Hill! Other big steps forward included formalizing a number of relationships with various site owners and reopening communication channels with various 'long term' sites. The committee did a fantastic job and the results can be seen throughout every part of the Air-Stream ecosystem. With previous Go-West and Go-South projects continuing the 802.11n upgrade was also 'completed' with >90% of major nodes receiving much needed upgrades to improve traffic flow from end to end.

The AGM was again a huge success with around 40 people attending. It was started with presentations from the committee outlining membership numbers and growth, network upgrades and a treasury report. There was also a rather special award handed to Troy Vodopivec who this year racked up 10 years of service, so as a reward he was handed the 'Silver Minitar Award'.

As with each AGM the 2012 committee stepped down and a new committee was elected. A big thank you to Jeremy Lawson who due to life commitments stepped down from the committee this year and did not opt for re-election, your contributions have been very valuable. A new committee was elected and the 2013 committee consists of:

Sam Burney  
Sam Greenwood  
Michael Kellow  
James Nobes  
Paul Parry  
Troy Vodopivec  
Geoff Woodberry  
Shawn Zeppel

This year also happened to be the 10th Anniversary of Air-Stream! So as with any 10 Year Anniversary there was an After-Party! All were invited to The Arkaba for some drinks and nibbles. The AGM Raffle was also drawn there.

While at the after party some speeches were made by various members and a video presentation of the past 10 Years was made to show just how much we've grown!

All in All it was a great day and all who attended had fun. So thanks for the great 2012 and we all look forward to what we can achieve as a group in 2013!







## Network Updates

### Seaton 2

Seaton 2's mast was finally raised to full height that it once was 18 months ago, Nathan, Tom, Troy, Shawn, Sam and Sam all attended to fix the guide wires and re-raise the mast safely. Seaton 2 is connected to Sefton Park presently and will look to potentially connect to Cement Hill and Port Adelaide again in the future.

### Para Hills 6

Para Hills 6 has been connected to Modbury North since its installation, it was never ment to be possible with all Line Of Site plots showing it was passing through the top of a hill, however due to the close proximity of the sites it was attempted with success. However in recent months a house is believed to have been built between the sites and the link became unusable. The hardware at Modbury North was then relocated to Parafield Gardens 4 and the dish at Para Hills 6 was rotated and aligned there. Presently the link is performing at around 15mbit throughput and is stable which is a fantastic improvement over the previous link to Modbury North.

### Inglefarm

Due to the recent extreme heat some sites have been experiencing stability issues, Inglefarm has been one of them, the current research has identified a potential issue with the UPS which powers the site, this is planned to be decommissioned to identify if this was the issue.

### GSPV

Following on from sites being effected by the heat, the GSPV-IngleFarm Ubiquiti Nano-bridge has also been spontaneously re-starting during the peak heat, a replacement has been ordered and will be swapped at the first available opportunity.

## Upcoming Projects

**Suntrix-Hermitage** is a new build in Lower Hermitage, this will provide amazing connectivity between EARC and Modbury North.

**EARC** upgrade project is well into the planning stages with a proposal to be submitted at the end of January.

**LHI-LCC-Glynde** has passed the planning stage and is awaiting hardware to arrive for installation.

**Various** southern nodes will now have the opportunity to connect thanks to the Cement Hill completion, so expect a big expansion down south!



## Air-Stream

### Q: What is 'Air-Stream'?

Air-Stream Wireless was established by a handful of dedicated wireless enthusiasts in 2001 and became an Incorporated Association in September 2002. It is the first and largest Community Wireless Network (CWN) in South Australia to successfully build a Wide Area Network (WAN) using wireless technologies.

With hundreds of active members the network now forms part of the largest community wireless network in Australia and is continuing to grow with the help of wireless enthusiasts and radio amateurs across Adelaide and Australia.

Learn more at <http://www.air-stream.org.au/about>





# ASLAN

SUPPORTING COMMUNITY WIRELESS NETWORKING IN SA

COMPUTER GAMING LAN PARTY

## SESSION #27

### SAT 02.02.2013

**NEW VENUE!**

**ST. PAUL'S LUTHERAN  
PRIMARY SCHOOL HALL**

**BLAIR ATHOL**

VISIT [AIR-STREAM.ORG/ASLAN27](http://AIR-STREAM.ORG/ASLAN27) OR FACEBOOK



## IT'S TRUE - WE'RE MOVING!

ASLAN is Air-Stream's all-ages computer lanning event for gaming fun and also to promote the presence of the Air-Stream Wireless community in the Northern suburbs of Adelaide.

The event is held at St Pauls Lutheran School in Blair Athol, from 10am until 10pm. For ALL AGES!

With the move to the new venue we are making some important changes to our ticketing structure. ASLAN has always stood for good value gaming. We have not changed the entry price for the past 4 years. During that time the ASLAN teams feels that the quality of the event has improved with more organisers putting in a huge effort behind the scenes to make every ASLAN happen. We feel that a small increase in ticket price is warranted to reflect the quality event that ASLAN has become. Thus the ASLAN team is announcing the following changes:

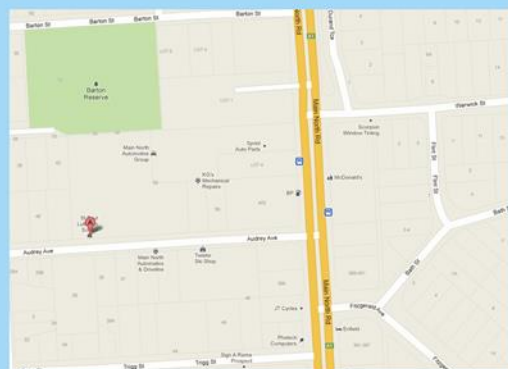
1. The "Uber Klasse" premium package ticket is discontinued
2. The regular "ASLAN Entry" price is going up from \$15 to \$20
3. The "Ladies Ticket" remains at \$10
4. Seating reservation will be introduced starting from ASLAN #28
5. In lieu of Uber Klasse, for those wishing to plug in extra network devices/laptops/consoles to the core switch there will be additional ports available for \$4 each
6. The internet connectivity at ASLAN has been upgraded
7. Small changes are being made to the food and drink catering
8. That's 12 hours of lanning goodness all for the small cost of \$20.

Tentative (not finalised) list of competitions:

1. Battlefield 3
2. Counterstrike: Global Offensive - Arms Race
3. DOTA 2
4. Minecraft
5. Trackmania Nations Forever
6. Unreal Tournament 3

Tickets for this LAN will be available at the door and online.

ALL pre-sold ticket holders go into a special door prize draw!



**ST. PAUL'S LUTHERAN PRIMARY SCHOOL HALL**  
**44 AUDREY DRIVE**  
**BLAIR ATHOL SA 5084**  
Just off Main North Road near McDonald's



**WE'LL SEE YOU THERE!**



## Member Services

Update your information and Node DB

<https://members.air-stream.org>

### Webmail

<https://mail.air-stream.org>

### Wiki

<https://wiki.air-stream.org>

### Issue Tracker

<https://tracker.air-stream.org>

### Want your article here?

We are always looking for more information to hand out to our members. If you have some news on Network Events, New Builds, Upgrades, Amazing deals or just want to ask a question feel free to send your ideas, stories and questions to

Committee @ [air-stream.org](mailto:air-stream.org)

and we will get back to you as soon as we can to ensure we can include the content in our newsletter.

### Air-Zine

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